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**STATISTICAL
REFERENCE
OF
LANDS AND FORESTS
ADMINISTRATION
1965**

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ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

ERRATA

Page 11, 1963 Total: *For* 5,324,796 *read* 5,324,797

Page 22, 1956 Bear Bounty: *For* 6,310 *read* 6,210

Page 23, last line, 1957-1960: *For* 520 513 496 500 *read* 5
507 495 495

Page 32, Lake Trout Eggs, 1958: *For* *read* 5

Page 32, Brook Trout Yearling 1963: *For* 1,889 *read* 1,883

Page 33, White Lake, Smallmouth: *For* 78fg *read* 79fg

Page 59, CF-OCO, 1962-64: *For* 5,004:35 *read* 5,003:35

Page 59, CF-OCP, 1963-64: *For* 333:50 *read* 338:50

Page 59, 2nd last line: *Delete* 8,083:05

Page 95, 3rd paragraph: *Delete* 1955

Page 96, 4th paragraph: *For* Killamey *read* North Georgian E
and Delete (Amendment)

Page 97, 6th paragraph: *Read* Vehicle admission charge is \$
per day or \$5.00 for the season. Campsite charges
per day or \$9.00 per week.

Page 99, *Delete* 2nd paragraph.

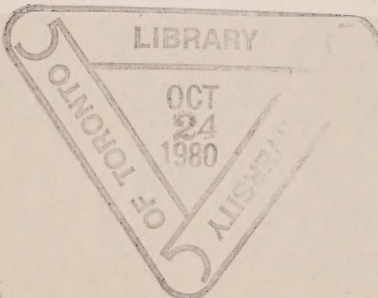
Page 100, *under* (4): *For* in item (3) *read* in item (4)

Page 102, 2nd paragraph, 1st line: *For* Fur *read* Resource

Page 107, 5th paragraph: *For* Century *read* Central

Page 109, last line, 2nd col: *For* 87,877 *read* 877

Page 162, Conservation Authority: *For* Middle Maitland *rea*



A

STATISTICAL

REFERENCE

OF

LANDS AND FORESTS

ADMINISTRATION

1965

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

[illegible]

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Government
Public

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1964 season and are subject to correction in the Annual Report for the year ending March 31st, 1965.

PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield Macdonald.....	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat.....	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy.....	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney.....	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard Hearst	Oct. 2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury ..	Nov. 14, 1919	July 16, 1923
Hon. G.H. Ferguson	July 16, 1923	Dec. 15, 1930
Hon. G.S. Henry.....	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn..	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant.....	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon.....	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy ..	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	.....

COMMISSIONERS AND MINISTERS SINCE 1827

	From	To
Hon. Peter Robinson	July 17, 1827	July 14, 1836
Hon. R.B. Sullivan	July 14, 1836	June 30, 1841
Hon. John Davidson	July 23, 1841	Oct. 12, 1842
Hon. A.N. Morin	Oct. 13, 1842	Dec. 11, 1843
Hon. D.B. Papineau	Sept. 3, 1844	Dec. 7, 1847
Sir John A. MacDonald . .	Dec. 8, 1847	Mar. 10, 1848
Hon. J.H. Price	Mar. 11, 1848	Oct. 27, 1851
Hon. John Rolph	Oct. 28, 1851	Aug. 17, 1853
Hon. Louis V. Sicotte . .	Aug. 17, 1853	Aug. 26, 1853
Hon. A.N. Morin	Aug. 31, 1853	Jan. 26, 1855
Hon. Jos. Cauchon	Jan. 27, 1855	April 30, 1857
Sir E.P. Tache	June 16, 1857	Nov. 24, 1857
Hon. Louis V. Sicotte . .	Nov. 25, 1857	Aug. 1, 1858
Sir. A.A. Dorion	Aug. 2, 1858	Aug. 6, 1858
Hon. P.M. Vankoughnet .	Aug. 7, 1858	Mar. 18, 1862
Hon. George Sherwood . . .	Mar. 27, 1862	May 23, 1862
Hon. Wm. McDougall . . .	May 24, 1862	Mar. 29, 1864
Sir Alex. Campbell	Mar. 30, 1864	June 30, 1867
Hon. Stephen Richards . . .	July 1, 1867	July 25, 1871
Sir Matthew C. Cameron .	July 25, 1871	Dec. 21, 1871
Sir Richard W. Scott	Dec. 21, 1871	Nov. 30, 1873
Hon. Timothy B. Pardee .	Dec. 4, 1873	Jan. 19, 1889
Hon. Arthur S. Hardy . . .	Jan. 19, 1889	July 21, 1896
Sir John M. Gibson	July 21, 1896	Oct. 21, 1899
Hon. E.J. Davis	Oct. 21, 1899	Nov. 22, 1904
Hon. A.G. McKay	Nov. 22, 1904	Feb. 8, 1905
Hon. J.J. Foy	Feb. 8, 1905	May 13, 1905
Hon. F. Cochrane	May 13, 1905	Oct. 11, 1911
Sir William Hearst	Oct. 12, 1911	Dec. 22, 1914
Hon. G.H. Ferguson	Dec. 22, 1914	Nov. 13, 1919
Hon. B. Bowman	Nov. 14, 1919	July 11, 1923
Hon. Jas. Lyons	July 16, 1923	Feb. 28, 1926
Hon. G.H. Ferguson	Feb. 28, 1926	Oct. 18, 1926
Hon. Wm. Finlayson	Oct. 18, 1926	July 10, 1934
Hon. Peter Heenan	July 10, 1934	May 27, 1941
Hon. N.O. Hipel	May 27, 1941	Aug. 17, 1943
Hon. W.G. Thompson	Aug. 17, 1943	Nov. 28, 1946
Hon. H.R. Scott	Nov. 28, 1946	June 3, 1952
Hon. W.S. Gemmell	June 3, 1952	July 7, 1954
Hon. C.E. Mapledoram . .	July 7, 1954	July 4, 1958
Hon. J.W. Spooner	July 23, 1958	Oct. 25, 1962
Hon. A. Kelso Roberts, Q. C.	Oct. 25, 1962	.....

DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R. R. MacBean was appointed Chief on January 1st. 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

YEAR	CASH RECEIPTS			CASH DISBURSEMENTS			BALANCE
	Ordinary	Capital	Total	Ordinary	Capital	Total	
1943	\$6,964,338.05	\$69,275.28	\$7,033,613.33	\$4,072,688.46	\$3,029.42	\$4,075,717.88	\$2,957,895.45
1944	6,567,183.22	130,524.24	6,697,707.56	3,610,850.90	4,574.92	3,615,425.82	3,082,281.74
1945	6,436,259.97	155,219.01	6,591,478.98	4,210,648.47	341.95	4,210,990.42	2,380,488.56
1946	8,321,551.84	193,061.14	8,514,612.98	4,839,821.50	8,234.30	4,848,055.80	3,666,557.18
1947	10,366,281.93	261,865.96	10,628,147.89	7,043,267.18	116,523.23	7,159,790.41	3,468,357.48
1948	10,467,251.70	215,151.77	10,682,403.47	7,598,611.94	.....	7,598,611.94	3,083,791.53
1949	11,419,352.16	215,884.90	11,635,237.06	11,400,801.97	.....	11,400,801.97	234,435.09
1950	10,924,652.37	677,603.32	11,602,255.69	9,913,520.62	4,623,339.12	14,536,859.74	d-2,934,604.05
1951	10,966,065.72	5,351,437.91	16,317,503.63	9,840,796.17	3,326,822.18	13,167,618.35	3,149,885.28
1952	14,604,915.18	3,222,682.07	17,827,597.25	10,681,717.01	2,196,671.93	12,878,388.94	4,949,208.31
1953	20,634,549.56	2,513,325.57 ^m	23,147,875.13	11,486,280.94	1,654,781.54 ^m	13,141,062.48	10,006,812.65
1954	18,156,762.00	1,810,672.96	19,967,434.96	12,608,258.47	800,000.00	13,408,258.47	6,559,176.49
1955	19,146,974.96	178,810.09	19,325,785.05	12,716,508.33	178,810.09	12,895,318.42	6,430,466.63
1956	19,823,049.47	328,056.86	20,151,106.33	17,148,523.65	128,297.23	17,276,820.88	2,874,285.45
1957	20,881,873.91	367,501.40	21,249,375.31	16,037,678.39	187,935.36	16,225,613.75	5,023,761.56
1958	22,189,712.48	490,717.96	22,680,430.44	18,733,582.62	280,550.13	19,014,132.75	3,666,297.69
1959	19,512,132.50 ^w	725,375.25	20,237,507.75	20,259,829.63	4,167,468.40 ^p	24,427,298.03	d-4,189,790.28
1960	18,627,418.14 ^w	807,860.60	19,435,278.74	23,029,901.12 ^p	991,022.60	24,020,923.72	d-4,585,644.98
1961	20,811,710.78	844,686.28	21,656,397.06	23,042,059.98	234,988.32	23,277,048.30	d-1,620,651.24
1962	21,361,244.94	644,158.52	22,005,403.46	26,606,120.51	1,413,973.51	28,020,094.02	d-6,014,690.56
1963	21,852,508.58 ^w	721,351.77	22,573,860.35	25,579,139.71	2,934,927.69	28,514,067.40	d-5,940,207.05
1964	22,584,169.47	640,056.82	23,224,226.29	27,815,028.66	3,557,125.18	31,372,153.84	d-8,147,927.55

d - Operating deficit.

*Years to 1947 include former Department of Game and Fisheries.

Water power revenue transferred to Treasury Department in 1959.

Grants to Conservation Authorities in 1962, 1963, 1964.

m - Mississagi project.

p - Parks improvements.

w - Cut back in woods operations.

TIMBER SECTION REVENUE in years ending March 31st

Year	Crown Dues	Ground Rent	Fire Tax	Cash Deposits and Refunds	Misc.	Total
1943	\$.....	\$.....	\$.....	\$.....	\$.....	\$ 4,982,281
1944	.....	.....	.....	.....	.....	4,561,733
1945	3,606,192	117,396	436,395	66,234	15,364	4,241,581
1946	4,947,915	115,299	419,323	59,004	13,240	5,554,781
1947	6,175,444	125,061	461,164	164,784	17,651	6,944,104
1948	6,093,410	126,875	456,444	.....	178,302	6,855,031
1949	6,899,107	108,934	440,011	130,506*	14,744	7,332,290
1950	6,146,884	112,139	485,313	29,195	15,704	6,789,235
1951	5,269,279	116,642	1,007,662	53,743	13,777	6,461,103
1952	8,324,529	114,197	1,010,554	26,954	24,631	9,500,865
1953	13,718,339	123,366	1,175,776	77,859	22,361	15,117,701
1954	10,225,155	79,832	1,052,635	14,373*	23,211	11,396,460
1955	10,834,114	76,019	945,953	53,919	17,673	11,927,678
1956	11,667,003	76,234	971,517	18,024*	10,000	12,706,730
1957	12,332,778	80,786	1,091,659	34,762	16,583	13,556,568
1958	13,333,503	81,098	1,041,837	45,844*	20,414	14,431,008
1959	11,382,445 ^w	84,468	1,085,027	51,833*	19,893	12,520,000
1960	10,381,470 ^w	82,255	1,057,804	16,924	26,869	11,565,322
1961	11,983,088	80,488	1,035,464	38,664*	32,041	13,092,417
1962	12,202,240	83,074	1,085,269	21,102	14,660	13,406,345
1963	11,418,166 ^w	83,903	1,096,639	7,969*	26,661	12,617,400
1964	12,194,962	81,522	989,233	48,800	25,067	13,339,583

*Refunds in excess of deposits.

w - Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	Trapping + Licences	Misc.	Total
1943	\$118,084	\$ 4,373	\$102,245	\$ 93,245	\$ 306,264	\$ 84,507	\$161,635	\$ 85,433	\$ 955,786
1944	115,396	4,697	75,153	89,450	288,685	103,143	195,286	97,273	969,083
1945	117,005	4,813	79,390	115,590	412,073	99,819	247,562	110,272	1,186,524
1946	166,635	7,051	110,253	218,855	605,321	103,105	277,768	153,743	1,642,731
1947*	196,549	9,316	132,907	361,887	1,000,866	109,473	274,139	155,774	2,240,911
1948	205,827	11,878	146,601	453,790	1,156,904	110,705	206,514	128,442	2,420,661
1949	237,707	16,787	176,301	468,705	1,350,501	116,597	328,171	119,107	2,813,876
1950	242,208	352	194,228	364,922	1,450,180	115,344	293,426	113,858	2,774,518
1951	264,881	.....	200,790	401,490	1,637,775	121,688	321,698	117,429	3,065,752
1952	286,226	7,719	222,998	340,255	1,868,746	135,255	341,664	117,082	3,319,945
1953	348,665	33,487	249,982	156,913	1,949,892	140,116	398,604	132,256	3,409,915
1954	355,911	52,464	251,535	447,366	2,086,074	125,427	353,005	128,953	3,800,735
1955	364,082	73,460	277,237	454,643	2,204,668	140,064	343,220	122,882	3,989,256
1956	405,201	90,040	295,320	513,088	2,279,336	132,944	317,052	121,733	4,154,714
1957	400,272	134,210	292,098	545,979	2,294,761	145,447	272,952	120,108	4,205,827
1958	415,920	173,650	317,375	563,004	2,431,977	128,634	277,800	126,171	4,434,531
1959	459,440	214,664	346,914	588,852	2,337,425	116,861	268,276	107,392	4,439,824
1960	468,833	245,033	352,197	698,968	2,399,612	112,260	252,001	93,303	4,622,207
1961	493,361	280,274	357,021	797,213	2,435,611	110,168	279,484	94,979	4,848,111
1962	420,727	358,695	344,706	936,819	2,527,212	111,552	244,082	110,723	5,054,516
1963	478,444	363,095	353,064	1,041,490	2,608,572	114,461	255,265	110,406	5,324,796
1964	457,361	393,296	381,125	1,125,019	2,685,219	115,724	327,572	112,765	5,598,081

*Department of Game and Fisheries to 1947.

+Includes Royalties.

LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047

† Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

Year	Vehicle Permits	Campsite Permits	Concessions Rentals	Federal Assistance	Misc.	Total
1957	\$ 148,488	\$ 45,613	\$	\$	\$13,008	\$ 58,621
1958	207,751	78,462	.....	.....	17,383	244,333
1959	292,459	124,137	.....	222,287	27,181	581,356
1960		206,148	44,775	.....	25,556	568,938
1961	382,887	331,481	60,868	195,129	25,208	995,573
1962	438,632	447,535	58,831	.....	45,313	990,311
1963	507,657	537,997	71,646	218,916	34,347	1,370,563
1964	554,098	599,440	84,125	.....	17,305	1,254,968

CASH RECEIPTS

In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	*Nursery Tree Sales
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952	367,696	21,774	16,710	55,473	.....
1953	393,236	22,723	11,720	30,140	128,220
1954	562,723	23,546	16,361	46,269	157,892
1955	644,961	30,660	16,724	46,487	216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES

NEW POLICIES

[illegible]

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1,200 Deputy Conservation Officers.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D. N. Omand
Game Management
Fur Management
Field Services
Indian Affairs Agreement

FISHERIES SECTION

Supervisor: J. D. Roseborough
Game Fisheries and Hatcheries
Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Year	No. of Trappers	Beaver	Fisher	Fox	Lynx	Marten	Mink	Muskrat	Otter	Raccoon	Skunk	Squirrel	Weasel
					**								
1949	4,326	46,208	1,027	2,822	409	120	19,867	172,219	3,276	129	77	209	20,544
1950	4,917	62,717	310	1,741	389	48	30,750	146,145	3,488	66	169	...	44,463
1951	11,379	81,790	662	3,480	415	1,045	31,323	408,662	6,137	6,667	4,538	4,121	32,002
1952	11,641	99,391	2,081	5,069	251	1,529	27,704	567,565	5,259	10,905	5,747	5,598	13,129
1953	12,332	109,260	2,414	5,838	1,216	2,210	28,904	671,642	6,410	9,874	5,749	16,077	23,727
1954	11,914	91,484	2,335	5,289	1,464	2,767	30,264	607,645	6,203	10,669	2,506	14,256	23,816
1955	12,310	115,439	2,915	2,977	1,547	3,587	29,520	640,865	6,224	99,641	1,879	16,133	28,813
1956	11,001	98,084	3,046	2,782	891	2,909	27,510	400,111	6,401	13,135	819	13,861	20,190
1957	9,529	106,738	2,127	1,313	564	4,467	36,284	443,153	5,727	10,551	1,105	19,440	17,981
1958	8,604	140,371	3,173	2,159	1,103	6,061	49,484	446,578	8,519	9,596	2,019	14,778	16,410
1959	7,826	120,566	2,365	2,160	2,242	4,559	44,926	337,936	6,698	4,200	572	11,330	11,626
1960	8,657	110,615	3,125	1,273	4,038	6,361	47,445	320,287	6,040	10,580	389	9,255	12,472
1961	9,100	132,375	3,348	1,753	4,502	9,325	61,520	304,731	7,422	7,433	216	12,496	12,631
1962	8,588	137,609	2,728	3,090	4,578	10,260	47,215	377,888	7,456	9,543	264	10,009	11,143
1963	9,448	167,408	2,830	1,647	4,743	7,748	43,048	345,428	8,326	9,189	112	12,850	10,213
1964	9,437	181,778	3,659	2,625	4,913	12,822	44,161	366,862	8,980	11,025	...	14,880	10,213

*Management began in 1947. Wolf and bear returns not reported above.

**Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

NUMBER OF PELTS

Year	NUMBER OF PELTS			VALUE OF PELTS		
	Wild	Ranch	Total	Wild	Ranch	Total
1947	876,204	73,770	950,000	\$4,966,209	\$2,262,888	\$7,229,098
1948	1,001,249	125,829	1,127,078	4,040,847	2,346,039	6,386,885
1949	1,046,628	143,358	1,190,000	5,187,075	1,647,044	6,834,120
1950	931,890	143,513	1,075,403	4,248,297	2,165,233	6,413,530
1951	811,579	142,570	954,149	4,582,901	3,101,559	7,684,460
1952	959,431	144,436	1,103,867	3,656,919	2,355,226	6,012,145
1953	1,098,286	152,760	1,251,046	3,868,812	2,171,784	6,040,596
1954	1,016,672	131,192	1,147,864	2,682,762	1,905,518	4,588,280
1955	1,107,530	158,662	1,266,192	4,284,902	2,942,968	7,227,870
1956	786,608	171,723	958,331	2,989,521	4,129,555	7,119,077
1957	788,666	247,998	1,036,664	2,575,809	2,978,209	5,554,018
1958	791,165	237,172	1,028,337	2,713,427	3,943,119	6,656,546
1959	680,189	262,788	942,977	2,445,203	3,969,224	6,414,426
1960	641,093	286,845	927,938	2,831,174	4,450,571	7,281,744
1961	680,878	348,192	1,029,070	2,469,875	4,441,088	6,910,963
1962	627,283	385,650	1,012,933	2,451,075	5,593,485	8,044,560
1963	692,487	385,982	1,078,469	3,439,311	6,176,920	9,616,231
1964	742,923	437,303	1,180,226	3,942,029	7,019,973	10,962,002

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

ROYALTY ON WILD PELTS

NUMBER OF PELTS

Year	NUMBER OF PELTS			ROYALTY ON WILD PELTS		
	Export Beaver	Total Export	Tanners	Export Beaver	Total Export	Tanners
1947	45,847	762,998	214,636	\$ 91,694	\$188,560	\$ 23,229
1948	20,083	862,700	294,017	40,166	.....	.....
1949	74,253	940,378	271,167	148,506	238,073	27,156
1950	65,600	909,079	181,723	131,200	219,949	18,075
1951	81,845	814,447	149,340	163,690	241,938	15,493
1952	105,503	922,868	188,847	211,006	300,321	19,556
1953	122,287	998,713	256,476	185,103	300,799	26,314
1954	105,071	908,990	240,441	157,635	268,823	25,430
1955	134,729	941,348	325,947	135,919	242,490	34,795
1956	112,663	769,027	190,566	112,663	196,956	20,767
1957	111,278	788,370	248,613	111,278	194,340	27,596
1958	140,930	879,316	149,779	140,930	224,921	9,407
1959	119,684	830,538	112,564	119,684	195,586	8,353
1960	109,757	821,984	106,374	109,757	188,562	6,950
1961	130,167	918,212	111,268	130,167	224,237	9,017
1962	135,949	897,511	115,734	135,949	217,870	5,999
1963	164,293	959,404	119,216	164,293	242,652	6,981
1964	135,791	903,688	276,678	135,791	198,473	72,874

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

Year	12 mts. and over \$ 10 each	Under 12 mts. \$ 5 each	Total Amount Paid
1947	959	73	\$ 9,735
1948	509	17	5,095
1949	592	67	6,035
1950	803	122	8,530
1951	453	47	4,645
1952	408	29	4,180
1953	662	57	6,805
1954	947	145	10,000
1955	1,126	99	11,590
1956	614	50	6,310
1957	611	50	6,225
1958	1,568	300	16,930
1959	1,084	116	11,145
1960	697	139	7,590
1961	401	46	4,150
1962	*328	*33	*3,405
1963	(Payment ended on July 27, 1961)		
1964	....	...	.....

WOLF BOUNTY

Year	Timber	Brush	Pups	Total	Total Amount Paid
1947	1,440	1,182	42	2,664	\$59,275
1948	1,515	1,961	74	2,540	54,923
1949	1,581	1,062	84	2,727	57,977
1950	1,613	890	41	2,544	56,927
1951	1,405	651	44	2,100	46,457
1952	1,198	634	63	1,895	41,803
1953	1,313	739	68	2,120	46,550
1954	1,101	720	70	1,891	41,853
1955	1,075	620	41	1,736	38,703
1956	1,088	559	28	1,675	37,550
1957	1,195	486	71	1,752	38,950
1958	1,047	574	34	1,655	37,255
1959	1,169	606	49	1,824	41,589
1960	939	528	42	1,509	33,619
1961	1,320	761	57	2,138	48,766
1962	1,136	794	68	1,998	44,510
1963	1,276	691	64	2,031	44,664
1964	1,342	862	61	2,265	44,999

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Fox											
Blue.....	56	68	70	81	56	57	83	94	97	57	48
Cross.....	1	1	1	1	1	.....	.....	.....	.....	1	1
Pearl Platinum.....	294	230	251	155	119	.....	.....	.....	.....	.....	.....
Platinum.....	159	136	136	108	105	186	232	280	367	355	270
Red.....	1	3	4	6	7	12	13	14	9	.....	.....
Standard Silver.....	760	583	456	239	166	150	178	292	212	130	123
White Marked.....	50	26	16	9	6	.....	.....	.....	.....	.....	.....
Total Fox.....	1,321	1,047	934	599	460	405	506	680	685	543	442
Mink.....	70,160	75,340	85,332	101,721	109,936	119,299	130,294	142,600	154,626	164,901	178,814
Beaver.....	15	26	16	1	1	1	1	1	1	.....	2
Fisher.....	10	9	11	12	12	8	2	2	1	1	4
Lynx.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marten.....	54	62	70	81	85	76	89	96	97	78	33
Muskrat.....	264	707	82	62	54	47	.....	.....	.....	.....	10
Raccoon.....	68	57	47	43	43	33	24	22	20	13	8
Skunk.....	.....	.....	.....	5	5	3	3	3	3	4	2
NO. OF FARMS.....	631	549	529	542	520	513	496	500	508	500	505

GAME BIRD HUNTING PRESERVES in year ending March 31, 1964

Districts	No. of Pre- serves	No. of Birds Purchased	No. of Birds Released	No. of Birds Removed*	No. of Hunters	Stock on Hand
Lake Erie.....	14	8,202	8,124	5,233	1,168	2,237
Lake Huron.....	5	7,350	9,912	6,694	1,164	403
Lake Simcoe.....	3	4,687	2,893	1,591	886	34
Lindsay.....	6	1,100	2,430	1,675	471	328
Tweed.....	3	36	6,411	3,151	571	560
Kemptville.....	1	400	350	180	35	25
Pembroke.....	1	...	30	22	8	3
Total.....	33	21,775	30,150	18,546	4,304	3,590

*By Hunters.

*By Hunters.

COMMERCIAL PHEASANT FARMS in the year ending March 31, 1964

District	No. of Farms	PURCHASES			SALES				
		Eggs	Chicks and Poults	Adults	Dressed Birds	Eggs	Chicks and Poults	Live Adult Birds	Stock on Hand
Lake Erie.....	41	425	6,138	3,403	5,132	3,992	28,423	8,941	3,399
Lake Huron.....	50	70	6,340	9,714	11,734	647	5,025	3,931	1,368
Lake Simcoe.....	20	...	40	90	4,930	79	75	2,732	550
Lindsay.....	10	...	100	716	739	86	100	155	456
Tweed.....	7	...	300	...	1,450	186	842	103	776
Kemptville.....	7	...	765	59	536	...	75	500	110
Pembroke.....	1	...	...	...	32	...	...	...	3
Parry Sound.....	1	...	...	...	6	24	...	...	9
North Bay.....	1	...	...	40	978	...	...	...	...
Sudbury.....	1	...	...	...	383	...	...	100	100
Sault Ste. Marie.....	6	...	404	...	295	...	...	27	277
Cochrane.....	1	...	...	...	...	10	14	5	100
Fort Frances.....	1	...	175	...	...	...	...	...	...
Total.....	147	495	14,262	14,022	26,225	5,024	34,554	16,494	7,148

(Additional to above: 6,560 chicks and poults and 250 adult birds were imported from United States)

HUNTING LICENCES SOLD

Year	DEER		MOOSE		BEAR+		SMALL GAME	
	Resident	Non-Res.	Total	Resident	Non-Res.	Total	Resident	Non-Res.
1944	38,654	2,385	41,039	875	653	1,528	92,847	1,949
1945	53,930	4,430	58,360	1,282	1,426	2,708	131,468	3,281
1946	62,913	7,877	70,790	1,694	1,230	2,924	155,309	4,666
1947	67,299	11,193	78,492	2,270	1,516	3,786	171,098	3,620
1948	73,700	11,300	85,000	3,000	1,700	4,700	186,060	3,200
1949	76,274	12,050	88,324	*	*	*	205,706	3,300
1950	84,380	12,440	96,820	*	*	*	213,594	5,620
1951	89,290	10,400	99,690	1,400	*	1,400	240,040	4,960
1952	96,790	** 870	97,660	3,620	*	3,620	268,444	5,400
1953	92,785	8,300	101,085	5,196	637	5,833	256,341	3,810
1954	92,800	10,400	103,200	7,500	730	8,230	284,000	5,300
1955	105,150	8,050	113,200	9,000	990	9,990	318,000	6,010
1956	98,079	7,426	105,505	13,441	1,521	14,962	316,778	5,905
1957	106,620	6,743	113,363	17,367	1,890	19,257	341,838	6,092
1958	109,322	6,044	115,366	22,688	2,362	25,050	377,589	5,503
1959	103,960	5,988	109,948	26,349	3,431	29,780	378,666	6,243
1960	114,400	6,004	120,404	31,948	4,212	36,160	383,205	7,286
1961	106,160	5,788	111,948	38,977	5,775	44,752	377,047	7,103
1962	121,735	5,913	127,648	39,470	6,675	46,145	383,150	7,538
1963	114,510	6,351	120,861	43,144	7,261	50,405	416,019	7,685

*Closed Season.

**U. S. A. ban on importation of cloven-hoofed animals.

+ Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

Year	ANGLING		HUNTING		
	Resident	Non-Res.	Resident	Non-Res.	Total
1944	.....	89,291	132,376	5,168	137,544
1945	.....	126,367	186,680	9,451	196,131
1946	.....	171,400	219,916	14,556	234,472
1947	.....	196,785	240,667	16,877	257,544
1948	3,730	224,898	262,760	17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362

PROSECUTIONS in years ending March 31st

Year	Seiz- ures	Public Sales	*Total Sales	Convic- tions	Collected Costs	Fines
1947	1,844	\$.....	\$37,202	2,040	\$1,216	\$44,267
1948	.....	4,700	.....	2,880	.....	.....
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872	.....	23,633	2,880	1,387	50,460
1954	2,975	.....	25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439

*Includes Redemptions.

HUNTER SAFETY TRAINING PROGRAM*

Year	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		
	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	...	..	...
1958	1,433	1,668	1,949	...	..	...
1959	2,690	2,780	4,729	...	..	...
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964**	3,000	18,652	85,034	101	14	115

CAUSES OF ACCIDENTS IN 1963

	%age of Total
INTENTIONAL DISCHARGE:	
Victim mistaken for game.....	13
Victim out of sight of shooter.....	13
Victim covered by shooter swinging on game.....	7
Victim moved into line of fire.....	3
Sub-total...	36
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled.....	18
Trigger caught on brush, clothing, etc.....	9
Defective weapon.....	5
"Horseplay".....	4
Loading and Unloading.....	4
Crossing fence, etc., with loaded weapon.....	3
In vehicle with weapon loaded.....	2
Removing from or placing in vehicle.....	2
All other circumstances.....	17
Sub-total...	64

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
BASS, Largemouth.											
Fry.....	330	720	282	360	190	46	45	231	...	55	45
Fingerling.....	328	279	343	122	129	63	46	30	25	112	93
Yearling and Adult.....	1	....	4	1	3	1	....	....	....	...	...
BASS, Smallmouth.											
Fry.....	720	820	209	803	468	130	89	156	230	147	134
Fingerling.....	623	452	529	369	132	133	227	178	270	177	288
Yearling and Adult.....	18	14	25	19	1	5	....	1	1	...	...
BLUEGILLS											
Fingerling.....	....	....	2	....	....	....	....	....	....	....	....
Adult.....	....	....	....	....	....	....	....	....	....	....	....
CHARR, French Alpine.											
Fingerling.....	....	....	....	21	....	....	....	....	....	....	....
Yearling.....	....	1	....	....	....	2	....	....	....	....	....
Adult.....	....	....	....	....	....	5	....	....	....	....	....
CHARR, Pennsylvania.											
Fingerling.....	....	....	2	....	....	....	....	....	....	....	....
GRAYLING, Arctic.											
Yearling.....	....	....	....	....	....	....	26	....	....	....	....
HERRING											
Eggs.....	....	900	398	....	1,840	....	1,068	....	....	....	....
Fry.....	3,600	2,717	3,400	350	....	....	....	50	....	....	....
MASKINONGE											
Fry.....	2,740	3,550	3,712	3,610	2,430	2,940	4,070	3,390	2,833	2,970	1,870
Fingerling.....	43	40	51	74	39	18	50	51	75	24	27
Adult.....	....	....	....	....	1	1	....	....	....	....	....

OUANANICHE												
Eggs.....	....	....	....	....	....	....	....	....	....	....	....	....
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....	....
Yearling.....	....	....	....	....	....	....	....	....	....	....	....	....
Adult.....	....	....	....	....	....	....	....	....	....	....	....	....
PICKEREL (Walleye)												
Eggs.....	....	227,000	91,800	138,805	90,565	56,245	30,875	53,790	27,065	20,500	53	....
Fry.....	270,975	6,000	8,310	....	....	....	3,040	3,600	....	8,994	....	7,200
Fingerling.....	....	....	....	....	....	....	....	....	....	201	....	11,440
Adult.....	....	....	....	....	....	....	....	....	67	....	....	217
SALMON, Atlantic												
Fingerling.....	....	....	....	....	....	....	....	....	....	....	....	....
SALMON, Chum.												
Eggs.....	....	....	423	....	....	....	....	....	....	....	....	....
Fingerling.....	....	....	449	....	....	....	....	....	....	....	....	....
SALMON, Pink.												
Eggs.....	....	....	....	513	....	....	....	....	....	....	....	....
Fingerling.....	....	....	....	224	....	....	....	....	....	....	....	....
SPLAKE												
Fingerling.....	25	....	....	....	16	....	....	....	....	....	....	....
Yearling.....	....	17	10	8	16	208	135	13	97	112	....	114
Adult.....	....	2	....	....	....	....	1	....	6	....	....	2
TROUT, Aurora.												
Fingerling.....	....	....	....	....	....	....	2	2	....	1	....	....
Yearling.....	....	....	....	....	....	....	....	....	1	....	....	....
TROUT, Brown												
Eggs.....	....	....	....	....	8	....	....	....	....	....	....	....
Fingerling.....	92	100	101	29	36	22	....	2	1	....	....	....
Yearling.....	103	178	234	151	170	133	193	85	5	....	....	....

DISTRIBUTION OF HATCHERY FISH in 000's

SPECIES	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
TROUT, Kamloops											
Eggs.....	....	2**	2**	10	13	26	20	....	**3	....	....
Fry.....	....	1**	....	....	....	10	....	....	....	....	....
Fingerling.....	....	141**	3**	....	32	15	20	28	....	....	....
Yearling.....	108	....	83**	78	123	95	95	79	....	....	....
Adult.....	....	....	1**	....	....	32	1	....	....	....	....
TROUT, Lake											
Eggs.....	....	....	....	12	....	....	....	....	....	....	....
Fry.....	250	....	28	10	....	....	40	....	....	13	....
Fingerling.....	6,985	2,606	2,612	736	230	374	274	389	370	240	186
Yearling.....	172	415	241	320	39	832	634	653	715	989	950
Adult.....	....	....	....	....	....	9	....	....	8	1	6
TROUT, Rainbow											
Fingerling.....	25	**	**	....	....	....	....	....	102	60	3
Yearling.....	1	**	**	....	....	....	....	....	229	291	173
Adult.....	....	....	....	....	....	....	....	....	....	9	11
TROUT, Brook											
Eggs.....	....	720	50	....	200	....	580	49	30	494	575
Fry.....	....	....	....	35	91	....	....	15	....	....	....
Fingerling.....	1,963	166	842	1,332	522	789	455	864	764	651	392
Yearling.....	3,251	2,056	1,991	2,092	2,677	2,079	1,807	1,616	2,052	1,655	1,889
Legal Size.....	14	4	16	19	10	10	84	76	73	75	73
WHITEFISH											
Eggs.....	....	42,665	67,165	51,178	13,435	30,940	1,000	12,000	13,875	....	....
Fry.....	186,700	139,210	102,950	11,130	67,275	47,515	44,985	62,993	53,685	46,575	46,350

TOTAL.....

*Figures for 1947-1952 Complied on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

479,069 430,790 286,267 212,410 180,704 142,682 89,880 140,342 102,623 84,401 72,042

FISH DISTRIBUTED FROM ONTARIO PROVINCIAL HATCHERIES IN 1963 (in 000's)

STATIONS	Brook Trout	Lake Trout	Rainbow Trout	Large-mouth	Small-mouth	Mask-inonge	White-fish	Wall-eye	Splake	Quan-aniche
Chatsworth.....	13fg 149y	...	...	...	...	...	...	...	...	...
Codrington.....	54y	41y	10y	...	...	...	...	...	...	...
Deer Lake.....	83y	49y	35y	...	...	1,870f	...	...	...	...
Dorion.....	...	...	...	...	...	27fg	...	...	...	...
	575e	257y	...	...	...	...	...	...	...	...
	357fg	...	...	...	...	...	...	...	...	...
	21y	...	...	...	...	...	...	...	...	...
	1a	...	...	...	...	...	...	...	...	...
Hill Lake.....	234y*	66y	12y	...	...	...	...	...	...	...
	5ay	...	...	...	...	...	...	...	...	...
Little Current.....	...	...	...	...	...	...	...	...	...	...
Midhurst.....	68y	...	...	...	...	...	46,350f	7,200e	...	...
Normandale.....	8y	...	5y	...	...	...	...	...	...	...
	20a	...	11a	...	...	...	...	...	...	...
North Bay.....	98y	10fg	3fg	...	...	...	...	...	...	...
	15a	31y	2y	...	...	...	...	...	...	...
Pembroke.....	22fg	91fg	...	...	...	...	...	...	...	...
	257y	...	...	...	...	...	...	...	...	...
Port Arthur.....	...	10fg	...	...	...	...	...	...	...	...
Sandfield.....	168y	50y	...	...	94f	...	...	...	...	...
	...	...	...	...	80fg	...	...	...	...	...
Skeleton Lake.....	149y	65y	33y	...	98fg	...	...	...	...	...
Tarentorus.....	343y	286y	15y	...	...	...	...	...	114y	...
	...	6a	...	...	...	...	...	...	2a	...
Westport.....	6y	39y	4y	...	32fg	...	...	...	...	...
	...	...	...	45f	...	...	...	...	...	...
White Lake.....	250y	65y	58y	61fg	...	...	...	...	...	...
	...	...	...	31fg	40f	...	...	11,440f	...	...
Warton.....	...	75fg	...	78fg	...	...	...	217fg	...	...

e- Eyed Eggs, f- Fry, fg- Fingerlings, y- Yearlings, a- Adults, *Includes 5, 303 albinos.
 TRS- Trout Rearing Station, PS- Pond Station, TS- Trough Station, JS- Jar Station.

YIELD OF ONTARIO FISHERIES in Thousands of Pounds

SPECIES	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	Value in 1963
Bass, Rock; Crappies.....	66	61	63	67	81	92	127	119	137	177	\$ 33
Bass, White.....	6,202	4,589	5,795	3,589	1,850	1,444	3,305	3,413	2,491	1,991	276
Bullheads.....	837	824	843	762	635	480	467	363	423	740	100
Carp.....	1,428	1,318	1,906	1,508	1,350	1,519	1,124	1,312	1,124	1,323	105
Catfish.....	332	285	299	272	330	319	321	244	314	300	60
Caviar.....	2	3	2	3	3	1	2	2	2	1	5
Chub; Tullibee.....	920	988	923	796	1,269	1,576	1,865	2,993	2,825	2,329	392
Eels.....	80	71	55	103	133	140	130	127	128	175	33
Gold Eyes.....	87	6	84	31	22	15	33	24	34	20	3
Herring; Ciscoe.....	1,375	936	1,142	1,996	1,917	2,947	2,227	1,853	2,630	2,374	78
Ling.....	426	506	451	354	484	432	614	638	623	615	5
Menominee, Pilots.....	13	18	20	23	26	24	63	22	31	20	1
Perch.....	8,203	5,181	11,843	12,068	16,299	19,968	12,774	18,628	21,659	18,725	1,436
Pickarel, Blue.....	8,210	12,070	12,019	6,398	833	50	5	2	.....	.....	.....
Pickarel, Yellow.....	5,196	6,883	11,673	10,609	7,825	4,653	3,702	3,382	3,708	5,108	1,373
Pike, Northern.....	1,148	913	904	914	1,017	993	966	990	976	990	80
Saugers.....	212	168	133	103	174	112	85	105	131	136	30
Sheepshead.....	853	840	774	849	1,817	1,419	1,539	1,201	1,117	1,503	26
Smelt.....	1,550	2,328	4,016	4,666	4,967	7,059	11,666	13,065	19,314	10,705	393
Sturgeon.....	172	160	138	174	243	179	184	195	133	132	136
Suckers.....	1,485	1,395	1,394	1,317	1,509	1,410	1,616	1,595	1,540	1,650	23
Sunfish.....	376	370	416	375	276	225	286	271	257	358	37
Trout, Lake.....	1,562	1,190	641	498	622	522	286	181	208	254	91
Whitefish.....	6,844	4,452	4,049	3,226	3,278	3,183	3,845	3,907	3,640	3,357	782
Miscellaneous.....	101	83	132	413	212	227	163	323	337	1,359	5
TOTAL.....	47,679	45,636	59,717	51,113	47,172	48,992	47,397	54,954	63,784	54,342	.....
TOTAL VALUE (000's \$).	7,013	6,783	7,928	7,047	7,274	4,866	4,933	5,746	5,341	5,504	5,504

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

Year	Lake Ontario	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North Channel	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
1941	3,126	8,951	992	2,148	2,734	542	3,436	4,504	517	26,950	2,147
1942	2,488	10,038	598	2,081	2,163	535	3,362	4,570	546	26,381	3,372
1943	2,281	14,483	487	1,836	2,010	572	3,347	4,961	618	30,595	4,704
1944	2,637	15,256	449	1,460	1,545	487	3,761	4,964	482	30,041	4,389
1945	2,338	18,950	503	1,071	1,524	434	3,812	5,040	606	34,278	6,484
1946	2,059	18,925	493	954	1,292	290	3,589	4,719	679	33,000	5,597
1947	2,002	12,334	466	1,107	666	267	2,830	4,802	448	24,922	4,803
1948	2,046	14,926	437	1,440	913	445	3,371	4,629	735	28,942	5,735
1949	2,006	19,093	540	1,260	1,563	550	3,188	5,254	607	34,061	5,497
1950	2,219	16,866	469	1,301	2,794	668	2,655	5,229	555	32,756	6,252
1951	2,411	13,114	389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
1952	2,281	17,417	792	1,736	5,359	433	3,127	6,221	678	38,044	7,417
1953	2,059	23,389	983	1,396	6,876	458	2,771	6,080	827	44,839	7,037
1954	1,914	28,912	1,021	1,463	4,292	395	2,890	6,080	712	47,679	7,013
1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615	45,636	6,783
1956	2,627	44,682	1,029	1,463	1,113	187	2,145	5,878	593	59,717	7,928
1957	1,997	37,105	1,113	988	664	191	2,797	5,764	493	51,113	7,047
1958	2,098	30,751	907	2,023	407	255	2,871	7,316	544	47,172	7,274
1959	2,051	31,597	845	2,203	225	171	3,850	7,617	432	48,992	4,866
1960	1,958	29,219	659	3,489	218	206	2,828	8,234	586	47,397	4,933
1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
1962	1,750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,341
1963	2,046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504

Yield of Ontario Fisheries by Species --- LAKE ONTARIO --- in 000' s lbs and \$000' s

Year	Bullhead & Catfish	Carp	Eels	Lake Herring	Lake Trout	Smelt	White- fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	88	150	16	1,922	126	...	442	7	375	3,126	\$ 193
1942	61	220	16	1,087	90	...	442	11	561	2,488	156
1943	147	201	35	857	76	...	329	43	623	2,311	...
1944	179	216	40	1,018	74	...	461	48	601	2,637	425
1945	229	179	44	760	105	...	359	34	628	2,338	385
1946	288	197	35	413	102	...	398	45	581	2,059	317
1947	301	119	33	573	64	...	358	40	514	2,002	312
1948	433	208	40	480	42	...	237	30	575	2,045	290
1949	498	181	46	324	22	...	219	28	678	2,006	258
1950	520	242	29	225	15	...	419	34	735	2,219	309
1951	470	217	48	197	40	...	385	90	963	2,410	424
1952	478	253	65	111	32	225	417	103	597	2,281	393
1953	417	371	57	73	14	282	207	75	563	2,059	284
1954	376	309	78	70	7	265	228	114	467	1,914	268
1955	386	318	68	29	4	238	340	124	436	1,943	313
1956	440	616	50	38	2	269	593	121	498	2,627	429
1957	394	314	100	84	1	177	301	118	508	1,997	328
1958	353	323	129	53	1	295	340	166	438	2,098	406
1959	311	536	136	52	1	208	335	151	321	2,051	393
1960	280	310	128	74	1	188	397	126	454	1,958	355
1961	199	314	125	51	3	223	572	125	497	2,109	397
1962	203	248	125	27	1	202	355	106	483	1,750	331
1963	229	417	169	38	1	171	354	68	599	2,046	348

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	1,544	116	2,050	.....	.....	.....	3,359	347	1,535	8,951	\$ 657
1942	4,405	62	965	.....	.....	.....	2,524	421	1,661	10,038	660
1943	9,614	56	711	.....	.....	.....	1,481	453	2,168	14,483	2,132
1944	9,390	336	1,373	.....	.....	.....	1,259	776	2,122	15,256	1,891
1945	6,559	6,445	1,206	.....	.....	.....	1,689	1,068	1,983	18,950	3,699
1946	1,909	9,525	2,418	.....	.....	.....	1,932	739	2,402	18,925	3,089
1947	1,646	2,484	2,252	.....	.....	.....	2,726	793	2,433	12,334	2,676
1948	5,742	603	1,939	.....	.....	.....	3,800	799	2,043	14,926	3,025
1949	9,784	393	2,279	.....	.....	.....	3,620	849	2,168	19,093	2,950
1950	8,611	645	2,166	.....	.....	.....	1,390	1,252	2,802	16,866	3,149
1951	3,914	323	2,758	.....	.....	.....	1,130	1,522	3,497	13,144	2,892
1952	7,267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957	23,389	3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058	28,912	3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896	30,285	3,842
1956	12,002	194	11,573	713	3,694	5,715	542	9,275	974	44,682	5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088	37,105	4,848
1958	824	62	15,410	1,727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857	31,597	2,200
1960	4	6	11,654	1,468	11,467	3,255	21	619	725	29,219	2,060
1961	1	3	17,284	1,116	12,835	3,334	9	269	847	35,698	2,507
1962	.....	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	.....	2	17,963	1,412	10,524	1,855	11	1,875	1,659	35,301	2,530

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Yellow Perch	Sturgeon & Caviar	Suckers	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	233	189	1,110	209	6	...	93	195	113	2,148	\$ 195
1942	222	362	800	311	6	...	114	176	90	2,081	173
1943	247	329	517	355	3	...	113	167	105	1,836	362
1944	258	129	314	317	5	...	142	154	141	1,460	272
1945	292	100	117	239	4	...	66	138	115	1,071	230
1946	89	104	30	336	7	...	158	122	108	954	151
1947	113	217	7	219	8	...	292	171	80	1,107	211
1948	188	125	10	147	6	...	538	225	201	1,440	348
1949	207	135	3	231	8	...	243	205	228	1,260	246
1950	129	128	.....	359	8	...	226	240	123	1,213	238
1951	109	116	.....	431	8	...	225	254	164	1,307	318
1952	88	107	.....	362	6	84	284	218	55	1,204	267
1953	280	71	.....	496	5	50	180	307	52	1,441	277
1954	454	44	.....	329	7	77	271	231	79	1,492	326
1955	417	54	.....	323	6	111	258	211	89	1,469	324
1956	461	39	.....	155	11	86	216	333	162	1,463	287
1957	321	20	.....	65	46	61	89	266	120	988	290
1958	624	19	.....	719	26	70	156	245	164	2,023	433
1959	1,082	13	.....	236	12	75	229	331	225	2,203	514
1960	1,302	17	.....	859	6	65	827	230	183	3,489	908
1961	2,342	17	.....	1,072	9	193	812	217	97	4,759	1,204
1962	2,180	25	.....	583	7	73	349	263	95	3,575	802
1963	1,669	8	1	539	6	77	269	225	154	2,948	651

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Year	Carp	Chub	Lake Herring	Lake Trout	Northern Pike	Sturgeon	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	47	203	64	1,502	25	1	748	57	87	2,734	\$ 276
1942	30	58	52	1,274	36	...	584	55	74	2,163	223
1943	24	69	168	1,066	34	...	442	69	138	2,010	485
1944	19	110	55	815	30	1	364	56	95	1,545	380
1945	38	104	103	738	25	1	279	38	198	1,524	389
1946	46	25	21	696	25	1	246	44	188	1,292	332
1947	21	21	15	368	7	...	87	21	126	666	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	1	805	206	66	1,563	465
1950	35	72	63	351	12	1	2,189	133	56	2,912	800
1951	35	74	26	480	8	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	1	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	60	4,317	1,450
1955	110	64	12	67	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	5	670	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	90	29	32	362	98
1959	22	3	3	1	6	3	49	62	52	201	61
1960	37	29	2	1	4	2	57	40	47	219	61
1961	13	31	1	1	6	1	96	33	19	201	61
1962	21	82	1	.....	10	2	130	61	41	348	95
1963	66	104	1	.....	12	2	207	99	64	555	164

Yield of Ontario Fisheries by Species --- LAKE SUPERIOR --- in 000's lbs and \$000's

Year	Chub	Lake Herring	Lake Trout	Menominee	Sauger	Sturgeon	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	81	1,433	1,298	...	...	2	315	115	192	3,436	\$ 274
1942	11	1,392	1,361	...	...	2	320	92	184	3,362	272
1943	48	1,290	1,323	...	...	2	336	188	160	3,347	511
1944	53	1,481	1,553	...	...	1	403	96	174	3,761	530
1945	57	1,708	1,479	...	...	1	359	98	110	3,812	696
1946	33	1,511	1,531	...	...	2	275	120	117	3,589	639
1947	33	1,017	1,286	...	...	1	246	155	92	2,830	503
1948	30	1,295	1,447	...	...	1	306	116	176	3,371	675
1949	12	1,255	1,356	...	...	1	277	125	162	3,188	561
1950	29	505	1,506	...	...	1	341	145	128	2,655	626
1951	45	763	1,273	...	...	2	341	200	227	2,851	641
1952	94	993	1,389	16	124	2	268	163	78	3,127	661
1953	88	745	1,371	8	38	4	282	158	77	2,771	590
1954	91	920	1,266	6	72	5	328	135	67	2,890	565
1955	312	708	1,003	6	49	6	254	130	72	2,540	523
1956	112	821	527	12	69	3	303	186	112	2,145	389
1957	148	1,696	324	12	57	6	285	217	52	2,797	344
1958	125	1,744	366	11	100	6	287	164	68	2,871	376
1959	117	2,833	238	17	68	5	210	271	91	3,850	377
1960	103	2,117	122	54	19	11	99	249	54	2,828	270
1961	81	1,777	48	7	38	8	119	227	48	2,353	214
1962	69	2,570	70	10	52	3	148	174	50	3,146	239
1963	81	2,319	112	11	63	2	161	167	57	2,973	271

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000's lbs and \$000's

Year	Goldeye	Lake Trout	Northern Pike	Sauger	Sturgeon & Caviar	Tullibee	White-Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	...	165	869	..	59	117	1,328	1,494	472	4,504	\$ 429
1942	...	197	950	..	54	118	1,366	1,431	454	4,570	466
1943	...	228	889	..	97	221	1,435	1,503	588	4,961	687
1944	...	183	831	..	120	170	1,544	1,655	461	4,964	744
1945	...	142	830	..	108	240	1,490	1,556	674	5,040	898
1946	...	148	744	..	146	162	1,417	1,621	481	4,719	896
1947	...	151	898	11	136	138	1,156	1,688	624	4,802	777
1948	28	144	806	6	145	139	1,268	1,636	457	4,629	905
1949	50	94	909	..	139	169	1,627	1,706	560	5,254	764
1950	84	106	784	..	122	170	1,738	1,597	628	5,229	881
1951	114	110	915	28	99	210	1,733	1,801	718	5,728	1,035
1952	102	172	965	31	137	241	1,759	1,847	967	6,221	1,072
1953	34	133	831	48	105	329	1,604	1,606	1,390	6,080	795
1954	87	120	1,008	37	81	243	1,674	1,568	1,262	6,080	789
1955	6	110	824	44	71	192	1,497	1,437	1,446	5,627	732
1956	84	62	773	46	71	274	1,643	1,593	1,332	5,878	823
1957	31	153	820	29	83	184	1,658	1,572	1,234	5,764	815
1958	22	244	923	58	149	411	1,855	2,048	1,606	7,316	1,039
1959	15	282	923	40	114	373	2,203	2,323	1,344	7,617	1,090
1960	33	161	878	58	121	430	2,409	2,258	1,886	8,234	1,035
1961	24	129	842	61	119	539	2,180	2,262	1,810	7,966	1,019
1962	34	137	850	78	80	494	2,544	2,539	1,816	8,572	1,171
1963	20	140	887	72	81	475	2,320	2,315	2,130	8,440	1,170

COMMERCIAL FISHING EQUIPMENT

Year	Licences		Boats			Number of Nets					Freezers & Ice Houses	Wharves and Piers	Net Sheds	Total Value \$000's
	Gill Nets	Total	No. of Men	40ft. & Over	Under 40 ft.	Gill Nets 000's yds	Pound	Trap*	Hoop	Seine				
1946	.....	.....	4,244	107	2,205	9,090	1,079	...	1,288	121	525	437	...	4,764
1947	.....	2,421	4,026	112	2,009	8,858	1,135	...	1,240	99	486	400	...	5,147
1948	.....	.....	3,736	111	1,930	8,981	1,152	...	1,324	92	477	412	...	5,716
1949	1,071	2,675	3,930	123	2,039	9,144	1,182	...	1,411	110	456	395	...	5,988
1950	1,021	2,722	3,886	116	1,966	9,064	1,214	...	1,439	112	477	425	...	6,679
1951	1,063	2,894	3,833	126	1,981	8,944	1,204	...	1,483	105	476	416	...	6,985
1952	1,124	3,115	3,878	196	1,682	9,057	1,127	359	1,564	109	462	474	727	8,328
1953	1,098	3,098	3,807	215	1,538	9,312	1,078	549	1,570	101	493	487	827	8,839
1954	1,045	3,200	3,657	214	1,407	9,248	878	709	1,578	116	482	456	778	9,176
1955	1,066	3,379	3,483	224	1,338	9,304	787	822	1,545	134	442	447	759	9,226
1956	1,032	3,470	3,135	202	1,320	8,719	784	763	1,487	84	426	437	754	8,891
1957	1,038	3,684	3,066	211	1,321	8,618	671	804	1,462	91	412	404	709	8,676
1958	1,100	4,029	3,224	212	1,270	8,898	713	731	1,441	81	464	425	727	9,215
1959	1,117	4,170	3,527	234	1,680	9,718	723	739	1,812	111	564	491	884	10,557
1960	1,089	4,176	3,409	238	1,740	9,523	744	661	1,861	105	558	516	839	10,124
1961	1,063	4,563	3,059	223	1,541	9,293	672	631	1,778	97	521	476	773	10,377
1962	1,060	4,554	2,993	218	1,533	9,344	796	597	1,767	103	525	497	726	9,996
1963	1,075	4,679	3,271	224	1,718	9,200	745	694	1,943	93	511	439	747	10,264

*Trap Nets included with Pound Nets. 1946-1951.

NEW POLICES

FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees... the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C. R. Mills and G. E. Ponsford, respectively. J. A. Brodie acted for Mr. Mills during his absence on war service.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

J. M. Whalen was appointed Chief on June 14th, 1963.

FOREST PROTECTION BRANCH

Chief: J. M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: W. B. Buckworth

Procurement, Operation and Maintenance of
fleet of aircraft
Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

ESTIMATED FIRE DAMAGE

Year	TIMBER DAMAGE (000's Cu. Ft.)			TIMBER DAMAGE (Crown Dues, Only)			DAMAGE TO REPRODUCTION*			TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total		
1950	1,624	1,937	3,561	\$ 16,244	\$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538	\$ 55,148	\$103,682
1951	29,401	188	29,590	294,015	1,880	295,895	92,431	1,121	93,552	389,447	56,389
1952	1,401	577	1,978	14,013	5,769	19,782	9,169	553	9,722	29,504	31,347
1953	27,934	1,688	29,622	279,340	16,880	296,220	87,811	9,843	97,654	393,874	81,778
1954	24,825	84	24,909	248,249	838	249,087	156,362	793	157,154	406,241	15,650
1955	267,186	587	267,773	2,671,857	5,870	2,677,727	900,331	13,622	913,953	3,591,680	184,940
1956	155,305	74	155,378	2,868,133	2,118	2,870,251	195,491	2,411	197,901	3,068,152	22,319
1957	20,107	1,014	21,121	406,376	21,876	428,252	23,086	11,722	34,808	463,059	113,751
1958	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
1959	680	42	722	13,882	826	14,709	2,579	4,752	7,332	22,041	20,757
1960	21,293	123	21,416	425,860	2,470	428,330	8,337	1,427	9,764	438,094	56,442
1961	1,595,447	750	1,596,196	31,908,935	14,993	31,923,928	62,187	3,687	65,874	31,989,802	152,638
1962	2,440	83	2,523	48,794	1,669	50,462	10,740	13,546	24,285	74,748	99,165
1963	14,907	194	15,101	.....	.....	484,334	.....	.....	222,555	706,888	39,932
1964**	10,165	173	10,339	.....	.....	359,298	.....	.....	85,304	444,602	40,693

* Protection Charges, 1950-1955.

** Preliminary report to December 1, 1964.

FOREST FIRE SUMMARY

Year	NUMBER OF ACRES BURNED OVER			Number Of Fires	Average Acreage
	Crown	Private	Total		
1917	.....	.....	384,164	1,110	346
1918	.....	.....	30,172	965	31
1919	.....	.....	922,161	1,780	518
1920	.....	.....	358,851	1,287	279
1921	.....	.....	749,534	1,269	591
1922	.....	.....	346,193	1,021	339
1923	.....	.....	2,120,148	1,343	1,579
1924	.....	.....	146,017	851	171
1925	.....	.....	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	189
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	47
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964*	21,700	6,622	28,322	1,834	15

*Preliminary Report to December 1, 1964

1964 FOREST FIRES (Preliminary Report)

Honorary Fire Wardens	DISTRICT	Acres Burned	Number of Fires	Average Acreage
210	Chapleau	366	10	36.6
405	Cochrane	2,053	35	58.1
186	Fort Frances....	2,804	40	70.1
319	Geraldton.....	1,220	24	50.8
38	Gogama.....	28	14	2.0
292	Kapuskasing.....	93	24	3.9
22	Kemptville.....	157	16	9.8
230	Kenore.....	1,767	120	14.7
.....	Lake Erie.....	.....	.....	.....
50	Lake Huron.....	35	9	3.9
36	Lake Simcoe.....	248	35	7.1
159	Lindsay.....	131	119	1.1
440	North Bay.....	510	110	4.6
402	Parry Sound.....	741	267	2.8
125	Pembroke.....	4,509	193	23.4
311	Port Arthur.....	566	99	5.7
260	Sault Ste. Marie	413	95	4.3
142	Sioux Lookout...	10,066	113	89.1
328	Sudbury.....	1,942	305	6.4
.....	Swastika.....	304	23	13.2
450	Tweed.....	316	167	1.9
241	White River.....	53	16	3.3
4,646	TOTAL.....	28,322	1,834	15.4
MONTHS				
	April.....	4,211	164	25.7
	May.....	8,631	396	21.8
	June.....	6,978	338	20.6
	July.....	7,485	622	12.0
	August	98	139	0.7
	September	22	49	0.4
	October	437	65	6.4
	November.....	460	61	7.5

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

ORIGIN	1953	1954	1955	1956	1957	1958	1959	1960	1961	ORIGIN	1962	1963	*1964
Land Clearing.....	92	42	148	49	125	123	52	55	80	Residents....	146	313	210
Camping.....	388	221	390	196	379	325	323	265	295	Recreation...	592	811	603
Smokers.....	279	147	298	145	342	371	159	116	201	.....	.....	.....	.....
Railways.....	188	82	189	122	176	149	67	49	62	Railways.....	76	93	103
Road Construction.	13	11	13	34	73	63	12	18	15	.....	.....	.....	.....
Logging.....	24	13	53	22	39	17	25	20	19	Industry.....	75	.....	.....
Mining.....	2	3	11	6	7	1	2	2	2	.....	.....	77	77
Prospectors.....	1	2	11	8	3	1	4	1	1	.....	.....	.....	.....
Incendiary.....	19	25	31	8	26	43	13	12	31	Incendiary...	38	36	34
Miscellaneous.....	143	74	148	123	194	229	116	97	143	Miscellaneous	289	216	204
Unknown.....	14	9	32	2	32	17	14	11	11	Unknown.....	10	20	11
Lightning.....	357	252	928	302	275	219	242	310	445	Lightning....	295	319	592
Total.....	1,520	881	2,252	1,017	1,671	1,558	1,027	956	1,305	TOTAL...	1,521	1,885	1,834
Man Caused - Total	1,163	629	1,324	715	1,396	1,339	785	646	860	Man-Caused...	1,226	1,566	1,242
Percentage...	77	71	59	70	84	86	76	68	66	.....%age	81	83	68
Prosecutions.....	.....	.....	.....	62	55	71	38	31	54	Prosecutions.	48	71	22
Convictions.....	.....	.....	.....	56	41	62	35	30	47	Convictions..	43	65	21

* Preliminary Report

MEANS OF DETECTION	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	*1964
Towers.....	352	310	344	528	353	891	262	575	581	414	304	419	555	620	611
Aircraft.....	117	122	139	216	126	395	189	202	121	91	158	246	131	322	263
Rangers.....	93	72	82	122	46	102	57	141	87	66	63	74	92	92	116
Public.....	423	400	530	654	356	864	509	753	769	458	431	566	743	851	844

SIZE	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	*1964
1/4 acre	260	329	391	500	354	846	395	575	490	470	416	502	670	696	851
1/4-10 acres.....	518	428	581	821	428	1,124	502	861	861	493	448	639	744	949	828
10-100 acres.....	155	115	103	146	81	188	66	187	178	56	59	112	84	201	121
100-500 acres.....	43	21	16	33	9	52	26	37	20	9	23	12	17	30	18
Over 500 acres.....	9	11	4	20	9	42	28	11	9	1	10	40	6	9	16
AVERAGE SIZE (Acres)	37	112	11	39	62	176	222	28	24	5	33	908	9	30	15

* Preliminary Report to December 1, 1964

FOREST PROTECTION PERMITS

Year	WORK PERMITS			TRAVEL PERMITS	
	Fire Permits	Permits	Men	Permits	Persons
1926	13,466	.....	.....	.....	.....
1927	13,593	.....	.....	6,548	15,669
1928	13,611	.....	.....	15,406	42,566
1929	14,038	.....	.....	20,738	51,443
1930	15,094	.....	.....	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	.....	.....	9,774	28,606
1936	18,964	.....	.....	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799

MAJOR EQUIPMENT March 31st

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
Portable Power Pumps	1,029	1,062	1,097	1,218	1,215	1,255	1,396	1,271	1,225	1,201	1,145	1,117
Portable Hand Pumps.	6,206	6,406	6,362	7,907	7,899	8,712	8,336	8,344	8,237	7,977	8,159	7,873
Hose (000's Feet)...	2,743	2,826	2,714	3,319	3,312	3,890	3,551	3,712	3,664	3,483	3,230	3,424
Tents.....	1,841	2,030	1,997	2,376	2,469	2,438	2,483	2,391	2,433	2,618	2,542	2,618
Eiderdowns.....	....	....	1,365	1,506	1,538	1,597	1,671	1,739	1,750	1,780	1,828	1,764
Blankets.....	27,966	30,314	32,668	31,582	29,288	29,505	29,024	30,540	31,946	33,756	36,075	37,033
Binoculars.....	556	575	573	642	609	615	647	659	661	668	691	676
Canoes.....	1,142	1,061	1,114	1,087	1,073	1,052	1,005	954	930	922	868	859
Boats (Outboard)...	373	379	418	434	459	493	519	534	538	568	570	584
Motors (Outboard)...	648	690	752	771	771	800	785	809	807	834	837	841
Boats (Inboard)....	63	61	55	64	60	59	48	44	42	31	40	38
Barges and Scows....	....	....	....	....	4	6	7	6	9	6	5	5
Trucks and Autos....	666	730	715	786	751	861	918	905	945	949	967	988
Trailers.....	....	....	107	141	166	205	249	263	277	282	302	305
Tractors.....	73	93	101	121	134	312	186	184	194	198	214	211
Railway Motor Cars..	50	49	45	47	46	44	44	42	41	42	38	36
Velocipedes.....	....	....	....	....	24	24	22	20	18	16	16	14
Snowmobiles.....	....	....	7	8	10	14	10	13	14	16	22	29
Radio Sets, Stations	613	686	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134
Steel Towers.....	279	279	280	288	292	302	308	315	318	323	323	323

REPORT OF MAJOR EQUIPMENT as of March 31, 1964

LOCATIONS	Portable Pumps	Fire Hose	(00' s ft)	Blan- kets	Tents	Sleep- ing Bags	Bin- oculars	Can- oes	Boats Not In- Bd.	Out- Bd. Mtrs	Mtr veh- cles	Trail- ers	Trac- tors	Rly Mr Cars	*	S	B
Aylmer.....	12	154	305	30	...	6	35	3	20	6	17	20	14	..	..	..	..
Chapleau.....	47	214	1,204	2,169	125	70	20	23	11	..	25	9	5	..	..	..	..
Cochrane.....	41	419	1,493	2,582	149	86	39	44	15	..	35	12	6	7	..	2	..
Fort Frances....	36	121	1,026	1,121	97	89	24	31	28	1	37	8	4	..	..	1	..
Geraldton.....	79	480	1,986	2,628	199	37	28	75	16	2	42	7	8	4	3	2	..
Gogama.....	34	270	1,108	1,670	67	40	20	34	11	2	21	5	6	5	..	3	..
Hesper.....	13	216	307	...	3	7	24	1	16	..	14	25	11	..	..	1	..
Kapuskasing.....	21	424	1,270	1,554	112	32	24	51	8	..	39	6	7	7	6	..	..
Kemptville.....	14	106	362	25	5	9	17	1	26	1	19	10	16	..	..	..	..
Kenora.....	70	342	1,865	1,475	126	48	27	37	29	6	35	8	8	..	..	..	..
Lindsay.....	43	385	1,138	654	42	41	30	28	41	..	43	23	14	..	1	4	2
Maple.....	29	231	623	330	12	7	36	5	24	1	27	61	18	..	..	..	..
North Bay.....	47	325	1,235	1,253	127	110	34	68	40	1	47	7	5	..	2	..	..
Parry Sound.....	43	290	1,139	920	60	82	33	34	44	2	46	17	5	..	1	4	..
Pembroke.....	41	259	902	2,417	117	108	20	61	32	..	44	12	10	4	..	..	..
Port Arthur.....	56	341	1,826	2,104	154	94	30	39	21	..	32	46	9	..	..	3	..
Sault Ste. Marie	67	547	2,374	3,443	195	78	27	52	24	1	31	18	14	..	..	..	..
Sioux Lookout...	86	513	2,766	2,735	248	88	25	67	20	2	68	31	7	3	3	1	..
Sudbury.....	59	408	3,240	2,207	149	65	41	55	30	7	47	12	3	1	..	2	2
Swastika.....	36	256	998	1,672	89	105	25	30	23	..	23	34	8	..	..	..	..
Tweed.....	43	249	932	535	42	60	39	14	50	1	49	20	4	1	..	..	..
White River.....	37	222	1,211	1,369	81	38	17	43	11	..	28	10	3	2	..	..	..
Central.....	60	316	764	1,646	81	9	..	4	1	..	2	1	..	..	..	..	..
South-Central...	..	...	...	...	...	1	..	..	..	..	..	..	1	..	..	..	..
Western.....	..	...	...	...	...	...	..	..	..	..	..	..	..	..	..	..	..
Mid-Western....	43	283	2,332	596	107	1	..	..	..	..	..	..	..	..	..	..	..
South-Eastern...	..	...	...	...	...	18	..	..	..	..	..	1	..	..	..	..	..
Northern.....	35	465	1,557	1,141	52	...	1	..	..	..	..	..	..	..	..	..	..
South-Western...	..	...	27	...	1	...	..	..	..	..	..	1	3	..	..	..	..
Ranger School...	11	37	153	751	6	1	4	21	6	..	5	1	2	..	..	..	..
Air Service.....	..	...	...	...	...	118	..	1	2	1	5	2	2	..	..	..	..
Head Office**...	14	...	6	98	172	316	56	37	35	..	56	19	8	..	..	1	..
TOTAL.....	1,117	7,873	34,244	37,033	2,618	1,764	676	859	584	38	841	305	211	36	14	29	5

** Includes Conservation Authorities and Research.

* V - Velocipedes; S - Snow Vehicles; B - Barges.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Eight Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W.B. Buckworth was appointed Supervisor on February 19, 1962.

In 1963, two water-dropping buckets (45 and 75 gallons) were developed for use with leased helicopters; a 200-gallon tank was installed on an Otter.

PILOTS' FLYING TIME March 31, 1964

PILOTS		1924-63	1963-64	TOTAL
Allen	DW	3,236:20	548:35	3,784:55
Ballantyne	DE	2,262:00	369:00	2,631:00
Beaushene	GD	3,942:25	532:35	4,475:00
Bieck	AH	1,918:00	432:30	2,350:30
Burt	AE	8,597:00	448:45	9,045:45
Calver	DR	3,518:15	343:30	3,861:45
Campbell	GE	5,357:10	544:15	5,901:25
Colfer	AP	7,287:30	754:25	8,041:55
Cooke	TC	7,787:40	657:10	8,444:50
Cram	WW	1,489:10	339:10	1,828:20
Croft	BR	1,767:10	391:20	2,158:30
Croal	DM	2,169:55	554:20	2,724:15
Culliton	JE	260:50	496:25	757:15
Denley	JG	7,823:35	316:05	8,139:40
Evans	FB	4,720:05	418:55	5,139:00
Fiskar	UW	4,309:30	618:00	4,927:30
Glennie	NA	3,054:05	481:10	3,535:15
Hoar	HA	3,202:00	183:35	3,385:35
Hoeberg	PS	3,478:10	410:40	3,888:50
Howe	FR	-----	100:50	100:50
Hugill	WA	2,793:00	-----	2,793:00
Kincaid	J	8,043:55	432:10	8,476:05
Kirk	CJ	5,070:30	262:35	5,333:05
Lamont	JA	4,055:15	361:50	4,417:05
LeFeuvre	CJ	9,473:30	442:55	9,916:25
Lowe	B	1,783:50	254:05	2,037:55
MacDougall	FA	5,297:15	96:05	5,393:20
North	DH	1,462:20	264:50	1,727:10
Parsons	R	7,754:30	238:15	7,992:45
Pike	SJ	573:50	458:55	1,032:45
Poulin	LD	8,112:20	156:05	8,268:25
Reid	DM	4,891:05	397:20	5,288:25
Siegel	J	5,504:40	341:00	5,845:40
Speight	HC	8,390:35	583:10	8,973:45
Taylor	JM	3,587:50	39:35	3,627:25
Thomas	E	3,890:45	375:10	4,265:55
Thompson	FJ	3,052:15	440:55	3,493:10
Trussler	GE	7,874:20	308:25	8,182:45
Turcotte	LG	1,535:00	406:25	1,941:25
Other Pilots		187,033:15		187,033:15
Total Hours		356,360:50	14,801:00	371,161:50

FLYING TIME - AIRCRAFT

<u>Aircraft</u>	<u>1924-63</u>	<u>1963-64</u>	<u>Total</u>
Beaver			
CF-OBS	5,593:43	356:40	5,950:25
CF-OBV	4,025:05	381:50	4,406:55
CF-OBZ	4,743:55	360:10	5,104:05
CF-OCA	4,215:55	263:20	4,479:15
CF-OCB	5,051:10	388:30	5,439:40
CF-OCC	4,363:55	321:15	4,685:10
CF- OCD	4,027:20	340:20	4,367:40
CF-OCE	4,927:00	360:00	5,287:00
CF-OCG	3,815:10	251:25	4,066:35
CF- OCH	4,253:05	456:55	4,710:00
CF-OCJ	3,829:10	458:50	4,288:00
CF-OCK	4,254:15	387:20	4,641:35
CF- OCL	3,984:50	182:35	4,167:25
CF-OCN	4,667:10	380:35	5,047:45
CF-OCO	4,610:10	393:35	5,003:45
CF- OCP	5,106:25	338:50	5,445:15
CF-OCQ	4,877:25	392:45	5,270:10
CF- OCS	4,367:30	354:45	4,722:15
CF- OCT	4,604:45	430:20	5,035:05
CF-OCU	4,326:30	367:50	4,694:20
CF-OCV	3,787:35	543:50	4,331:25
CF-OCX	3,927:30	216:20	4,143:50
CF-OCY	3,752:30	276:25	4,028:55
CF-OCZ	2,928:10	323:10	3,251:20
CF-ODA	3,667:45	149:40	3,817:25
CF- ODB	4,073:50	493:20	4,567:10
CF- ODC	5,097:45	250:35	5,348:20
CF- ODD	1,207:30	255:05	1,462:35
CF- ODE	3,303:35	268:50	3,572:25
CF- ODF	3,376:55	327:20	3,704:15
CF- ODG	4,191:55	234:40	4,426:35
CF- ODO	848:35	104:50	953:25
CF- ODS	706:40	83:50	790:30
Otter			
CF- QDJ	2,948:55	408:30	3,357:25
CF- QDK	2,591:10	183:30	2,774:40
CF- QDL	2,803:35	411:25	3,214:00
CF- QDP	1,836:05	345:55	2,182:00
CF- QDQ	2,094:15	384:45	2,479:00
CF- QDU	841:55	411:30	1,253:25
CF- QDV	1,090:55	580:45	1,671:40
CF- QDW	572:20	458:10	1,030:30
CF- QDX	3:00	412:00	415:00
CF- QDY	2:00	331:35	334:25
Widgeon			
CF- QDR	1,583:40	177:10	1,760:50
11 Other Aircraft	208,537:20		208,537:20
	355,419:45	14,801:00	370,220:45

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

Year	Fire Ranging	Timber Mngt.	F & W Mngt.	Lands	Parks	Re-search	Surveys	Photo	Inter-departmental	Mercy Flights Hrs.	No.	Total Flying Hours	Passengers Carried	Per-somel Carried	Effective Load (tons)
1924-1949	88,732	...	2,985	...	...	1,442	...	1,415	...	361	..	175,290	165,583	89,206	22,234
1950	6,926	604	1,644	110	...	...	...	...	279	...	..	13,531	30,687	5,918	3,432
1951	4,211	938	2,029	283	...	303	...	...	233	64	..	11,057	27,140	5,140	3,367
1952	5,498	903	2,086	153	...	360	...	273	188	168	..	12,800	30,439	5,410	3,164
1953	5,278	674	1,980	149	...	266	97	280	150	56	..	11,889	25,900	5,346	3,079
1954	6,302	982	1,972	376	...	386	124	187	574	53	35	13,564	31,109	7,245	3,918
1955	5,095	1,048	2,362	246	...	284	181	244	398	35	28	12,389	29,256	5,465	3,429
1956	11,396	835	2,333	181	...	192	128	130	458	55	17	17,785	46,478	6,723	6,091
1957	5,347	986	2,289	180	...	199	72	148	384	34	22	11,692	28,789	5,099	3,481
1958	5,652	801	2,837	190	311	212	23	24	327	44	28	12,506	28,636	5,349	3,497
1959	4,275	876	3,615	200	272	189	15	...	421	39	21	12,278	27,506	5,197	4,871
1960	4,053	883	3,569	209	345	228	11	...	475	42	20	11,984	27,600	4,926	4,198
1961	4,914	965	3,455	267	255	200	4	...	470	72	21	12,569	29,069	4,833	4,638
1962	7,130	799	3,628	260	266	170	...	...	370	33	25	14,486	32,749	5,221	8,121
1963	4,169	923	3,862	230	386	201	...	...	454	20	16	12,542	27,750	4,819	5,657
1964	5,837	1,125	3,876	301	476	205	8	...	560	24	13	14,801	33,742	5,545	7,512
Total	174,814	13,343	44,523	3,335	2,311	4,837	662	2,701	5,740	1,099	..	371,162	622,433	171,442	96,740

AIR SERVICE BASE OPENING DATES (or First Float Flying)

*Year Round Base

BASE	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
* Algonquin Park...	29 April	4 May	1 May	4 May	3 May	6 May	7 May	5 May	21 April	26 April	8 May
Caribou Lake.....	27 May	25 May	21 May	24 May	17 May	24 May	15 May	19 May	10 May	5 May	5 June
Biscotasing.....	15 May	14 May	14 May	14 May	8 May	2 May	12 May	7 May	2 May	27 April	17 May
Fort Frances.....	.....	15 May	3 May	19 May	13 May	11 May	11 May	15 May	2 May	29 April	12 May
Goose Island.....	16 May	20 May	17 May	19 May	25 May	.....	.....	.....	.....	.....	.....
Ignace.....	3 July	16 May	15 May	19 May	17 May	14 May	12 May	18 May	1 May	29 April	18 May
Kenora.....	10 May	11 May	10 May	18 May	15 May	12 May	9 May	15 May	30 April	29 April	12 May
Oba Lake.....	16 May	19 May	20 May	24 May	7 May	9 May	16 May	22 May	13 May	1 May	18 May
Orient Bay.....	10 June	26 May	23 May	24 May	10 May	14 May	19 May	28 May	12 May	8 July	28 May
Pays Plat.....	.....	.....	.....	.....	.....	.....	14 May	9 May	1 May	4 May	11 May
Pickle Lake.....	.....	.....	.....	28 May	27 May	18 May	29 May	24 May	14 May	.....	.....
Port Arthur.....	6 May	12 May	3 May	15 May	27 April	14 May	12 May	9 May	1 May	29 April	11 May
Red Lake.....	.....	.....	.....	.....	.....	16 May	13 May	23 May	10 May	4 May	22 May
Remi Lake.....	.....	25 May	23 May	1 June	14 May	16 May	22 May	29 May	17 May	5 May	21 May
* Sault Ste. Marie.	21 April	24 April	2 May	1 April	.....	21 April	28 April	2 May	.....	24 April	10 May
Sioux Lookout.....	10 May	16 May	16 May	18 May	13 May	5 May	11 May	18 May	1 May	29 April	17 May
Sudbury.....	3 May	8 May	2 May	8 May	4 May	30 April	5 May	4 May	30 April	29 April	7 May
Tenagami.....	.....	.....	.....	.....	.....	3 May	13 May	7 May	3 May	29 April	18 May
Twin Lakes.....	14 May	26 May	21 May	1 June	18 May	16 May	18 May	23 May	12 May	5 May	19 May
Whitefish Lake.....	15 May	19 May	16 May	.....	.....	.....	.....	.....	.....	.....	.....

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base

BASE	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954
*Algonquin Park..	3 May	26 April	30 April	8 May	19 April	2 April	17 May	29 April	24 April	21 April	29 April
Carey Lake.....	.....	.....	.....	.....	.....	.....	.....	.....	10 May	15 May	28 April
Caribou Lake.....	19 May	12 May	23 May	3 June	19 May	9 May	.....	.....	7 May	14 May	27 May
*Chapleau.....	.....	.....	.....	.....	8 May	10 May	16 May	30 April	8 May	8 May	4 May
Biscotasing.....	7 May	26 April	22 April	17 May	28 April	7 May	20 May	.....	.....	.....	.....
*Eva Lake.....	.....	.....	27 April	16 May	8 May	1 May	20 May	10 May	30 April	29 April	17 May
Fort Frances....	15 May	27 April	7 May	20 May	11 May	30 April	24 May	7 May	1 May	4 May	13 May
*Geraldton.....	14 May	.....	.....	.....	14 May	4 May	20 May	9 May	5 May	7 May	18 May
*Gogama.....	.....	.....	.....	14 May	27 April	30 April	8 May	24 April	23 April	29 April	3 May
Ignace.....	19 May	12 May	1 May	20 May	10 May	3 May	22 May	9 May	1 May	5 May	18 May
Kenogami Lake..	.....	.....	.....	.....	.....	.....	.....	10 May	2 May	7 May	9 May
*Kenora.....	20 May	10 May	14 May	20 May	8 May	3 May	22 May	10 May	1 May	7 May	18 May
Lauson Lake.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oba Lake.....	17 May	5 May	7 May	27 May	5 May	10 May	8 May	8 May	.....	18 April	28 April
Orient Bay.....	23 May	23 May	7 May	12 June	18 May	12 May	23 May	16 May	7 May	8 May	21 May
Parry Sound.....	.....	.....	.....	6 May	12 May	13 April	27 April	17 April	23 April	30 Mar.	20 April
Pays Plat.....	5 May	9 May	30 April	14 May	8 May	7 May	18 May	8 May	2 May	6 May	11 May
Pickle Lake.....	.....	.....	26 May	2 June	18 May	9 May	3 June	17 May	7 May	13 May	2 June
*Port Arthur.....	16 May	2 May	30 April	16 May	3 May	30 April	19 May	2 May	22 April	30 April	7 May
Red Lake.....	19 May	10 May	7 May	26 May	13 May	3 May	29 May	15 May	3 May	8 May	21 May
Remi Lake.....	17 May	3 May	15 May	2 June	10 May	4 May	23 May	3 May	2 May	13 May	19 May
*Sault Ste. Marie	27 April	10 April	11 April	30 April	14 April	7 April	6 April	9 April	7 April	27 Mar.	13 April
*Sioux Lookout...	15 May	10 May	3 May	20 May	12 May	1 May	27 May	12 May	3 May	7 May	20 May
South Porcupine..	.....	.....	3 May	27 May	1 May	3 May	19 May	30 April	1 May	5 May	5 May
*Sudbury.....	8 May	1 May	13 April	14 May	27 April	25 April	12 April	25 April	28 April	20 April	29 April
Temagami.....	8 May	20 April	23 April	17 May	27 April	20 April	15 May	1 May	1 May	28 April	4 May
*Toronto.....	.....	.....	.....	.....	.....	.....	.....	.....	30 April	21 April	18 April
Twin Lakes.....	18 May	12 May	22 May	8 June	14 May	12 May	30 May	1 May	16 May	13 May	22 May
White River.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 May	18 May

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

*Year Round Base

BASE	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964
* Algonquin Park..	21 April	11 May	25 April	23 April	5 May	2 May	4 May	3 May	24 April	7 May
Caray Lake.....	30 April	27 May	7 May	9 May	12 May	23 May	10 May	13 May	9 May	13 May
Caribou Lake.....	1 May	1 June	13 May	15 May	15 May	22 May	24 May	25 May	20 May	11 May
* Chapleau.....	22 April	14 May	3 May	24 April	4 May	11 May	4 April	7 May	29 April	1 May
Eva Lake.....	28 April	16 May	6 May (Moved to Nym Lake)	.....	.....	.....	.....	.....	.....	.....
* Fort Frances....	27 April	16 May	29 April	18 April	28 April	4 May	1 May	1 May	25 April	4 May
* Geraldton.....	27 April	17 May	7 May	5 May	10 May	18 May	11 May	16 May	7 May	7 May
* Gogama.....	22 April	14 May	1 May	28 April	6 May	5 May	10 May	7 May	1 May	1 May
Ignace.....	28 April	16 May	6 May	2 May	8 May	12 May	11 May	11 May	8 May	8 May
Kenogami Lake...	26 April	22 May	10 May	4 May	12 May	18 May	13 May	10 May	8 May	4 May
* Kenora.....	27 April	17 May	6 May	15 April	30 April	12 May	11 May	9 May	6 May	8 May
Launon Lake.....	19 April	7 May	29 April	17 April	20 April	2 May	26 April	26 April	22 April	30 April
Nym Lake.....	.....	.....	.....	2 May	8 May	12 May	12 May	16 May	8 May	8 May
Oba Lake.....	28 April	16 May	9 May	4 May	11 May	23 May	11 May	15 May	.....	.....
Orient Bay.....	1 May	1 June	13 May (Moved to Port Arthur)	.....	.....	.....	.....	.....	.....	.....
Parry Sound.....	18 April	3 May	28 April	21 April	27 April	27 April	26 May	25 April	22 April	23 April
Pays Plat.....	4 May	15 May	6 May	2 May	8 May	12 May	10 May	11 May	23 April	8 May
* Pembroke.....	.....	.....	.....	.....	.....	.....	4 May	26 April	23 April	25 April
Pickle Lake.....	6 May	1 June	13 May	16 May	15 May	20 May	19 May	16 May	17 May	17 May
* Port Arthur.....	22 April	30 April	29 April	30 April	24 April	13 May	29 April	2 May	5 May	5 May
Red Lake.....	28 April	19 May	9 May	2 May	14 May	16 May	19 May	15 May	8 May	10 May
Remi Lake.....	29 April	21 May	6 May	7 May	12 May	19 May	11 May	15 May	9 May	6 May
* Sault Ste. Marie	19 April	3 May	29 April	26 March	8 April	11 April	4 April	2 April	3 April	3 April
* Sioux Lookout...	27 April	19 May	10 May	1 May	14 May	16 May	16 May	8 May	2 May	7 May
South Porcupine..	27 April	15 May	6 May	2 May	8 May	16 May	11 May	9 May	11 May	4 May
* Sudbury.....	19 April	9 May	1 May	18 April	1 May	4 May	10 May	27 April	24 April	28 April
Temagami.....	26 April	17 May	3 May	2 May	8 May	11 May	17 May	9 May	1 May	4 May
* Toronto.....	22 April	20 April	22 April	20 April	28 April	28 April	19 April	6 April	17 April	20 April
Tweed.....	.....	.....	28 April	18 April	27 April	28 April	25 April	25 April	18 April	23 April
Twin Lakes.....	6 May	17 June	10 May	13 May	15 May	25 May	21 May	22 May	15 May	11 May
White River.....	29 April	21 May	10 May	2 May	12 May	20 May	12 May	15 May	15 May	10 May

DEPARTMENT RADIO STATIONS

DISTRICT	STATION	CALL SIGN	NORMAL OPERATING FREQUENCIES	
			H.F. Kc/s	V.H.F. Mc/s
FORT FRANCES	Fort Frances	XLN21	4460	46.62
	Lac La Croix	XLN22	"	"
	Atikokan	XLQ71	"	"
	Rainy River	XLR59	"	"
	French Lake	XMN23	"	"
	Nym Lake	XLN234	"	"
	Cache Bay	XLN233	"	"
	Prairie Portage	XLN232	"	"
	Cabin 16	XLN29	"	"
	Beaverhouse Lake Cabin	XLN275	"	"
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	"	"
	Sioux Narrows	XLN42	"	"
	Dryden	XLN35	"	"
	Nestor Falls	XLN24	"	"
	Vermillion Bay	XLS87	"	"
	Dymont	XL096	"	"
SIOUX LOOKOUT	Sioux Lookout	XLN37	4460	46.86
	Red Lake	XLN43	"	"
	Pickle Lake	XLN38	"	"
	Ear Falls	XMN50	"	"
	Winisk	XLN62	"	"
	Ignace	XLN23	"	"
	Armstrong	XLN40	"	"
PORT ARTHUR	Port Arthur	XLN45	4580	46.70
	Shebandowan	XLN47	"	"
	Black Sturgeon Lake	XLN48	"	"
	Upsala	XLN217	"	"
	Saganaga Lake	XLN218	"	"
	Dorion	XMN78	"	"
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	"	"
	Marathon	XLN54	"	"
	Killala Lake	XLN55	"	"
	Hillsport	XLQ46	"	"
	Nakina	XLS53	"	"
	Longlac	XLS52	"	"
	Macdiarmid	XLN49	"	"
WHITE RIVER	White River	XLQ78	4880	46.62
	Franz	XLN62	"	"
	Wawa	XLN63	"	"
	MoBERT	XLN61	"	"
	Manitouwadge Lake	XMN25	"	"
SAULT STE. MARIE	Sault Ste. Marie	XLN58	4880	46.78
	Blind River	XLN65	"	"
	Ranger Lake	XLN261	"	"
	Elliot Lake	XLN264	"	"
	Peshu Lake	XLQ41	"	"
	Sand Lake	XLQ77	"	"
	Pancake Bay	XLR39	"	"
	Kirkwood	XLP44	"	"
	Mount Lake	XLR69	"	"
	Camp 4	XLN70	"	"

GOGAMA	Gogama	XLN78	4880	46.82
	Elsas	XLN79	"	"
	Foleyet	XLN84	"	"
	Opishing Lake	XMN42	"	"
	Ronda	XLP69	"	"
	Marne Lake	XLN283	"	"
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	"	"
	Sultan	XL073	"	"
	Biscotasing	XLN80	"	"
	Unegam Lake	XLN205	"	"
	Racine Lake	XMN77	"	"
SUDBURY	Wrong Lake	XLP46	"	"
	Sudbury	XLN77	4880	46.86
	Skead	XL080	"	"
	Espanola	XL044	"	"
	Jamot	XLR30	"	"
	Massey	XLR29	"	"
	Windy Lake	XLR67	"	"
	Southbaymouth	XLS86	"	"
	Sandfield	XLR68	"	"
	Stinson	XLN239	"	"
	Fairbank Lake	XLN39	"	"
	George Lake	XLS85	"	"
	Little Current	XMN24	"	"
	Panache Lake	XLN271	"	"
KAPUS-KASING	Kapuskasing	XLP78	4535	46.86
	Hearst	XLN69	"	"
	Hornepayne	XLN73	"	"
	Oba	XLN74	"	"
	Nagogamisis Lake	XLN237	"	"
	Little Long Rapids	XLN240	"	"
COCHRANE	Rogers Township	XLR71	"	"
	Cochrane	XL037	4535	46.78
	Timmins	XLN70	"	"
	Eades	XLN71	"	"
	Wade Lake	XL045	"	"
	Moosonee	XMN43	"	"
	Smooth Rock Falls	XL076	"	"
	Nellie Lake	XLN208	"	"
	Kettle Lakes Park	XLN209	"	"
SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	"	"
	Matheson	XLS54	"	"
	Larder Lake	XLN95	"	"
	Matachewan	XLN60	"	"
	Gowganda	XL090	"	"
	Hills Lake	XL089	"	"
	Englehart	XLR64	"	"
	Burt Twp. Nursery	XLN212	"	"
	North Bay	XLN83	4520	46.78
NORTH BAY	Temagami	XLN81	"	"
	Lady Evelyn Lake	XLN42	"	"
	Latchford	XLN252	"	"
	McConnell Lake	XLN246	"	"
	Bear Island	XLN251	"	"
	Haddo	XLP45	"	"
	Devils Lake	XLN253	"	"
	Field	XLN247	"	"
	Samuel de Champlain	XLN270	"	"
	Marten River	XLN274	"	"
PEMBROKE	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	"	"
	Brent	XLN91	"	"

PEMBROKE (Cont'd)	Stonecliffe	XLN94	4775	46.82
	Whitney	XLQ43	"	"
	Achray	XLQ47	"	"
	Round Lake	XLR40	"	"
	Kiosk	XLN50	"	"
	Sasajewun Lake	XLN51	"	"
	Swan Lake	XLN59	"	"
PARRY SOUND	Parry Sound	XLN89	4520	46.62
	Loring	XLN93		"
	Powassan	XMN35		"
	Byng Inlet	XLS24		"
	Ardbeg	XMN33		"
	Dorset	XMN34		"
	Bracebridge	XMN75		"
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	"	"
	Palmer Rapids	XLR41	"	"
	Dacre	XLS23	"	"
	Plevna	XLN53	"	"
	Gilmour	XMN40		"
	White Lake	XLP75		"
	Napanee	XLQ31		"
	Green Lake	XLR61	"	"
	Bon Echo Park	XLN286		"
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	"	"
	Gooderham	XMN27	"	"
	Orono	XMN29		"
	Haliburton	XLR43	"	"
	Presqu'ille Park	XLN46		"
	Apsley	XMN44	"	"
	Ranger School	XLN25	"	"
	Darlington Park	XLN280	"	"
KEMPTVILLE	Kemptonville	XMN41	4775	46.62
	La Rose	XMN51		"
	Westport	XLQ54		"
	Fritzroy Park	XLN272		"
	Lanark	XLQ87		"
LAKE ERIE	Aylmer	XLQ52	4520	46.62
	Holiday Beach Park	XLN267	"	"
	Wheatley	XLN268	"	"
	St. Williams	XMN28	"	"
	Rondeau Park	XLR60	"	"
	Pinery Park	XLP90	"	"
LAKE SIMCOE	Coldwater	XMN36		46.82
	Severn Falls	XMN37		"
	Honey Harbour	XMN39		"
	Six Mile Lake	XLR85		"
	Angus	XLN269		"
	Sibbald Point Park	XLN284		"
LAKE HURON	Hespeler	XLN271		46.70
	Miller Lake	XLN276		"
	Owen Sound	XLN41		"
	Inverhuron Park	XLN61		"

HEAD	Island Airport	XL053	4775	46.82
OFFICE	Maple Laboratory	XLN20	"	"
Toronto	Maple	XLP22	3376	46.62
			4520	46.70
			4535	46.74
			4775	46.78
			4880	46.82
			5410	46.86
			5499	
			9160	

Maple frequently uses 5410 and 9160 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s.
V.H.F.--46.74 Mc/s.

DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

NEW POLICIES

[illegible]

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of

North America 1764-1801 Surveyor-General

Sir D. W. Smith 1802-1804 Surveyor-General

C. B. Wyatt 1805-1807 Surveyor-General

Thomas Ridout 1810-1829 Surveyor-General

Hon. S. P. Hurd 1832-1835 Surveyor-General

J. Macaulay 1836-1838 Surveyor-General

Hon. R. B. Sullivan 1838-1840 Surveyor-General

Thos. Parke 1841-1845 Surveyor-General

* G. B. Kirkpatrick 1880-1917 Director of Surveys

* L. V. Rorke 1918-1928 Director of Surveys

† L. V. Rorke 1928-1936 Deputy Minister/
Surveyor-General

‡ C. H. Fullerton 1936-1946 Surveyor-General

F. W. Beatty 1946-1962 Surveyor-General

Robert G. Code 1962- Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962. Land Acquisition Section was created in 1963.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Management of public lands including lands under water. Disposal by sale, patent, vesting order, quit claim deed, lease, licence of occupation or land use permit for many private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for parks, access points, other public and government uses.

SURVEYS SECTION

Supervisor: S. B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

LAND USE PLANNING SECTION

Supervisor: E. L. Ward

Supervision of the preparation of Land Use plans. Wilderness Areas. Advisory Committee on Recreational Land Use Planning. Private Lands Liaison Committee.

LAND ACQUISITION SECTION

Supervisor: W. G. Maslen

Recommendations and applications for purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2,400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square - no road allowances - Townships divided into 36 sections.
1872	-	Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 204 township subdivision surveys have been annulled, as of September 17th, 1964, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land in accordance with registered Plans of subdivision. From February, 1959, to September 30th, 1964. 602 plans of subdivision for summer resort purposes have been registered; they cover 7,275 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1964, the total installed capacity of power plants under lease and in service is 4,654,820 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 3,559,900 horsepower

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U. E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND USE PLANNING SECTION

Created in 1958 to supervise and co-ordinate the functioning of land use planning. Recommendations for the establishment of Wilderness Areas including Nature Reserves are processed. The Recreational Land Use Planning Advisory Committee was established by Order-in-Council to advise on recreational planning in the departmental administrative districts. The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

LAND ACQUISITION SECTION

Created in 1963 this section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

LAND ACQUIRED BY CROWN

Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	Town, City Townplot	Quit Claims	Misc	Total
1921	500	307	30	30			867
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357	399	22	73			851
1925	367	329	45	115			856
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188	122	70			495
1934	154	173	112	69			528
1935	46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938	165	213	165	53			603
1939	130	178	129	122			590
1940	151	148	106	106			527
1941	154	172	126	86			552
1942	131	137	98	85			474
1943	181	161	127	50			541
1944	218	359	231	76			954
1945	226	315	206	108			929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948	164	299	446	153			1,062
1949	107	225	756	146			1,421
1950	196	316	1,046	182			1,927
1951	150	256	1,125	143			1,849
1952	165	242	1,294	90			1,948
1953	120	256	1,263	126			1,935
1954	136	256	1,312	99			1,957
1955	87	188	1,479	70			1,987
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958	13	150	962	69			1,346
1959	36	118	1,220	104			1,587
1960	44	109	1,946	102			2,368
1961	29	108	1,841	94			2,231
1962	25	94	2,234	108	40	158	2,659
1963	30	84	1,418	106	23	146	1,807
1964	18	88	1,088	70	24	140	1,428

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri-cultural	Summer Resort	City, Town Townplot	Quit Claims	Misc.	Total
1921	60,181	31,391	155	49			91,776
1922	64,813	43,120	70	90			108,093
1923	54,350	56,953	55	45			111,403
1924	52,423	49,471	72	25			101,991
1925	49,228	41,777	101	31			91,137
1926	47,115	47,493	58	35			94,701
1927	33,882	42,326	31	37			76,276
1928	35,903	31,069	55	127			67,154
1929	30,185	41,035	31	34			71,285
1930	33,243	51,059	400	112			84,814
1931	27,310	49,310	526	135			77,281
1932	19,334	40,276	360	81			60,051
1933	12,053	22,087	378	612			36,439
1934	19,662	22,749	366	18			42,837
1935	5,707	7,329	128	10			13,282
1936	21,340	22,999	349	43			44,777
1937	14,658	12,331	423	24			27,523
1938	20,490	27,266	402	122			48,418
1939	17,569	20,575	523	130			40,817
1940	18,206	17,236	522	126			36,279
1941	16,064	20,154	469	20			36,849
1942	14,973	15,798	361	31			33,308
1943	20,387	18,615	422	18			41,430
1944	28,611	43,846	660	32			76,920
1945	29,266	36,308	1,526	50			70,993
1946	26,068	36,683	781	130			74,158
1947	21,669	52,190	1,765	175			89,072
1948	22,119	32,930	1,154	166			56,369
1949	14,360	26,435	1,985	67			55,979
1950	24,287	35,484	2,616	112			118,960
1951	19,826	28,105	2,205	94			55,702
1952	21,412	26,474	3,364	38			58,606
1953	29,319	29,319	2,287	69			54,738
1954	29,124	29,124	2,169	63			55,237
1955	21,266	21,266	2,438	27			40,020
1956	7,502	12,206	1,588	1,613			29,183
1957	5,259	14,883	1,411	830			27,558
1958	1,847	15,472	1,350	323			24,612
1959	4,658	12,206	1,588	52			21,060
1960	5,910	11,380	2,011	295			29,970
1961	3,701	11,633	1,933	182			22,388
1962	2,670	10,267	2,415	63	3,409	4,091	22,915
1963	3,939	9,512	1,494	65	1,387	4,863	21,260
1964	2,385	8,783	1,092	221	4,152	6,625	23,258

AGRICULTURAL LAND in years ending March 31st

Year	Sales		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	325	31,934	445	39,615	177	20,124	359	43,845
1945	269	27,158	562	49,651	152	16,002	315	36,307
1946	281	26,535	438	42,933	162	17,464	321	36,683
1947	303	29,757	338	29,470	222	22,801	433	52,189
1948	280	29,506	402	37,069	185	21,667	299	32,929
1949	277	28,740	378	35,095	105	12,392	225	26,435
1950	267	26,671	327	32,452	113	12,145	316	35,483
1951	195	19,228	221	22,134	69	7,673	256	28,104
1952	223	24,420	143	13,358	71	7,313	242	26,474
1953	186	21,965	221	21,645	70	7,560	256	29,319
1954	144	14,534	131	13,049	50	4,484	256	29,123
1955	158	15,232	161	17,377	92	4,131	188	21,265
1956	117	12,230	184	18,513	26	3,008	148	17,892
1957	82	8,683	191	19,038	15	1,461	126	14,882
1958	101	10,543	174	17,087	7	807	150	15,471
1959	101	10,607	141	13,788	12	1,227	110	11,644
1960	68	6,758	59	5,788	3	211	105	10,980
1961	35	3,808	94	9,133	15	1,531	108	11,633
1962	10	1,102	58	5,892	4	330	94	10,267
1963	5	284	59	5,868	5	446	84	9,512
1964	6	549	9	810	1	80	88	8,783

SUMMER RESORT LAND in years ending March 31st.

Year	Sales		Cancellations		Assignments		Patents		Surveys
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1944	344	948	10	25	3	5	231	659	•••
1945	459	1,180	11	20	9	15	206	1,525	330
1946	535	1,411	11	35	14	32	277	781	358
1947	666	1,841	6	6	37	186	496	1,764	388
1948	700	1,700	26	69	34	139	446	1,153	692
1949	1,010	2,336	45	218	40	107	756	1,984	1,199
1950	1,202	2,512	77	610	38	95	1,046	2,613	1,435
1951	1,360	2,484	62	112	50	94	1,125	2,294	1,737
1952	1,601	2,769	75	148	35	319	1,294	3,363	1,800
1953	1,290	2,278	73	183	40	127	1,263	2,287	1,458
1954	1,435	2,133	76	447	37	72	1,312	2,168	1,752
1955	1,278	1,871	84	166	28	42	1,479	2,438	1,670
1956	1,176	1,614	108	183	12	17	1,384	2,089	1,269
1957	714	958	61	124	17	17	1,164	1,411	1,207
1958	1,344	1,678	36	53	13	15	962	1,350	2,083
1959	2,155	2,517	27	28	19	23	1,220	1,588	2,660
1960	2,418	2,345	33	49	29	25	1,946	2,010	2,307
1961	1,557	1,543	58	72	25	25	1,840	1,929	2,935
1962	1,391	1,377	55	77	22	26	2,234	2,415	2,577
1963	1,131	1,068	25	29	11	8	1,418	1,494	1,374
1964	912	929	17	19	6	7	1,088	1,092	939

LAND FOR SPECIAL USE in years ending March 31st

Year	No.	Sales		Cancellations		Assignments		Patents		Quit Claim Deeds	
		Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
1946	194	17,140.94	..	...	..	...	105	10,496.18	..	....
1947	211	14,293.96	..	...	6	134.05	145	13,272.99	..	....
1948	...	...	..	...	..	...	...	...	..	....
1949	199	20,541.913	5	110.00	3	184.53	187	13,132.423	..	....
1950	183	26,616.1662	5	206.59	4	95.86	187	55,461.188	..	....
1951	155	4,285.757	11	255.655	2	100.68	175	5,471.559	..	....
1952	149	5,367.3395	15	576.64	1	20.08	157	7,318.1075	..	....
1953	141	5,440.696	9	640.02	2	2.91	170	6,931.922	..	....
1954	145	4,220.913	12	418.984	7	87.56	154	6,168.493	..	....
1955	143	4,745.9465	12	614.26	3	111.771	163	4,989.0825	..	....
1956	129	7,451.9988	10	427.33	3	6.23	132	6,274.0393	..	....
1957	81	2,122.698	7	249.84	..	...	132	5,175.287	..	....
1958	148	4,533.512	12	545.20	..	...	152	5,620.207	..	....
1959	88	1,738.784	2	95.48	1	2.13	108	2,554.183	1	1.35	
1960	157	3,201.033	4	228.25	3	4.11	162	10,254.213	5	119.569	
1961	108	9,149.599	6	159.31	..	...	156	4,888.957	3	50.00
1962	122	2,587.402	5	82.114	2	1.69	158	4,090.992	40	3,409.015	
1963	100	2,527.392	3	180.21	..	...	146	4,863.112	23	1,387.196
1964	75	1,529.052	4	83.03	..	...	140	6,624.6265	24	4,152.1467

CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

Year	No.	Sales		Cancellations		Assignments		Patents		Quit Claim Deeds	
		Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.
1946	162	85.48	37	10.92	13	4.66	130	129.55	.	...	.
1947	275	137.92	9	2.39	27	6.67	249	175.39	.	...	.
1948	...	...	...	...	...	...	...	...	.	...	.
1949	151	68.626	17	17.182	22	8.904	146	66.634	.	...	.
1950	97	102.906	10	1.668	11	21.764	182	111.60195	.	...	.
1951	87	56.996	15	30.05	10	2.2145	143	94.3345	.	...	.
1952	91	252.47	7	1.695	10	1.576	90	38.274	.	...	.
1953	111	64.7477	19	13.82	2	0.378	126	68.950	.	...	.
1954	89	28.604	8	23.308	7	1.682	99	63.0438	.	...	.
1955	60	15.411	11	5.271	11	2.39	70	26.651	.	...	.
1956	91	44.690	14	6.06	7	1.44	85	1,613.190	.	...	.
1957	96	60.547	14	5.04	2	0.37	85	70.632	.	...	.
1958	76	15.693	10	1.159	4	0.86	69	323.050	.	...	.
1959	109	30.8821	6	2.109	4	0.978	101	37.990	3	12.909	3
1960	113	36.315	12	1.1872	4	0.941	99	75.994	3	219.485	3
1961	83	29.443	17	3.318	5	0.98	91	25.618	3	155.89	3
1962	104	39.910	20	5.708	..	...	105	61.243	3	1.34	3
1963	77	31.941	31	6.318	8	2.885	99	36.547	7	28.314	7
1964	64	34.650	4	4.892	1	0.2	67	218.826	3	2.305	3

FREE GRANT LAND in years ending March 31st

Year	Locations		Cancellations		Assignments		Patents	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1944	20	2,694	528	64,783	89	11,310	218	28,610
1945	21	2,308	678	83,655	116	14,441	226	29,266
1946	49	5,737	545	61,459	120	14,214	216	26,068
1947	73	8,243	449	51,906	122	15,523	168	21,668
1948	67	8,649	403	48,578	64	8,415	164	22,119
1949	49	5,872	280	30,536	54	7,085	107	14,360
1950	48	6,192	336	40,732	62	7,200	196	24,287
1951	28	3,608	289	35,371	56	7,747	150	19,826
1952	27	3,411	159	19,785	37	5,060	165	21,411
1953	36	4,655	181	21,874	25	3,452	120	16,131
1954	24	2,757	250	30,784	19	2,618	136	17,713
1955	17	1,823	209	25,755	7	1,005	87	11,219
1956	20	2,708	114	12,661	4	517	59	7,501
1957	8	878	78	8,727	1	151	47	6,089
1958	6	796	60	6,950	1	156	48	6,483
1959	4	462	43	4,689	1	160	36	4,658
1960	4	386	48	4,597	1	50	44	5,911
1961	..	.....	89	9,799	2	156	29	3,701
1962	..	.....	51	5,033	..	.....	25	2,670
1963	..	.....	74	7,979	..	.....	30	3,939
1964	..	.....	12	1,222	1	100	18	2,385

YEAR Ending March 31st	LICENCES OF OCCUPATION		LEASES	
	No. Issued	No. Cancelled	No. Issued	No. Cancelled
1946	85	69	110	31
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34

LAND USE PERMITS in years ending March 31st

Year	Hunt Camp	Trappers Cabin	Residence and Garden	Agriculture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total Acres
1944	157	8	429	68	76	105	9	27	88	....	967	.....
1945	254	30	392	114	63	137	..	31	131	89	1,241	16,466
1946	321	31	398	138	95	156	..	44	251	236	1,670	17,207
1947	391	25	570	201	38	172	10	56	95	330	1,888	18,955
1948	464	47	489	233	15	197	2	80	307	377	2,211	.....
1949	543	33	446	129	57	170	2	77	370	501	2,583	22,458
1950	786	18	386	122	67	175	4	42	265	1,262	3,270	15,846
1951	796	32	261	66	56	231	6	79	599	1,617	3,891	19,035
1952	866	13	259	47	34	239	..	76	643	1,758	.....	.....
1953	957	...	299	34	24	187	1	69	400	1,671	3,809	16,031
1954	1,064	4	224	35	19	169	..	41	563	1,964	4,274	21,201
1955	1,220	29	246	34	10	180	9	102	683	2,046	4,559	18,128
1956	1,234	200	435	130	29	216	5	216	453	2,543	2,918	30,321
1957	1,248	328	459	84	36	215	5	237	537	2,613	3,059	29,669
1958	1,352	218	514	79	37	184	1	252	509	2,858	3,146	34,471
1959	1,190	279	514	89	31	214	3	368	365	3,121	3,053	36,742
1960	1,689	226	503	65	45	149	3	344	416	3,107	3,440	36,625
1961	1,875	201	328	48	22	188	7	255	548	3,181	3,472	29,899
1962	2,245	216	443	46	22	158	4	254	478	3,068	3,866	32,903
1963	2,163	241	441	49	17	152	4	265	572	3,210	3,904	37,078
1964	2,424	278	591	68	19	156	7	275	561	3,173	4,379	40,232

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20, 20A*	District	Island	Township 28, 42A*	Electoral 33A	Misc.	Provincial Total	National† Topographic	Grand Total
1947	3,650	7,378	600	1,772	141	3,103	16,644	10,535	27,179
1948	1,975	7,373	168	506	25	1,100	11,147	11,215	22,362
1949	4,800	8,169	357	1,004	169	2,030	16,529	15,241	31,770
1950	1,896	7,560	1,255	510	152	5,062	16,435	17,013	33,448
1951	2,814	6,730	650	370	61	3,433	14,058	21,435	35,493
1952	2,096	9,426	932	285	311	3,292	16,342	24,139	40,481
1953	1,990	8,156	791	330	207	4,150	15,624	30,310	45,934
1954	2,734	9,254	593	216	64	5,167	18,028	34,459	52,487
1955	3,045	12,137	607	459	250	8,766	25,264	48,283	73,547
1956	2,113	10,475	882	576	839	1,254	16,139	48,604	64,743
1957	2,212	11,687	671	398	190	12,776	27,934	50,013	77,947
1958	1,831	12,592	345	491	126	1,890	17,275	62,048	79,323
1959	2,435	9,071	462	448	259	10,400	23,075	68,787	91,862
1960	1,285	9,728	345	829	320	8,369	20,876	68,891	89,767
1961	1,333	6,906	219	530	142	7,686	16,816	63,104	79,920
1962	2,523	10,755	...	584	503	18,500	32,865	78,866	111,731
1963	1,194	11,215	...	113	193	9,404	22,119	69,554	91,673
1964	652	8,255	...	403	313	9,100	18,723	43,685	62,408

*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

†National Topographic (except for official use) are for resale, including Dominion and Provincial N. T. S. sheets.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. **MASSACRE ISLAND** -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

2. **JONES ROAD** -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.

3. **WHITE OTTER LAKE** -- 41 acres in Sioux Lookout District. Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

5. **SIOUX MOUNTAIN** -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

6. **ECHO TOWNSHIP** -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.

7. **OUTER BARN ISLAND** -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

8. **BAT CAVE** -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickiana.

9. **SLEEPING GIANT** -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

10. **PORPHYRY ISLAND** -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. **SUTTON LAKE GORGE** -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
13. **CAPE HENRIETTA-MARIA** -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
14. **OLD FORT ALBANY** -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
15. **ABITIBI NARROWS** -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
16. **FAIRY POINT** -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
17. **WHITEFISH FALLS** -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
18. **OLD BRUNSWICK HOUSE** -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
19. **MONTREAL RIVER** -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
20. **HILTON TOWNSHIP** -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
21. **CRATER LAKES** -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
22. **EIGHTEEN MILE ISLAND** -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
23. **GANLEY HARBOUR** -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. **RICHARDSON HARBOUR ISLAND** -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. **KISHKEBUS LAKE** -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. **MATAWATCHAN** -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. **RONDEAU PARK** -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. **TURKEY POINT** -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. **McCRAE LAKE** -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. **PRESQU'ILE ISLANDS** -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. **NEW BRUNSWICK HOUSE POST** -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. **PINERY PROVINCIAL PARK FOREST** -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. **PINERY PROVINCIAL PARK SHORE** -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. **PINERY PROVINCIAL PARK DUNE FOREST** -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

LATER ESTABLISHMENTS

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961. 36th Area.

80. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

95. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

98. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch in the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

101. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain pale and dogwood. 40th Area.

NEW POLICES

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farm-hunter relations.

LAW BRANCH

Supervisor: G. H. FERGUSON, Q.C.

SOLICITORS:

S. J. ANTONETTE
W. E. D. PETERS

PATENTS OFFICE

Head Clerk: B. P. Foster

SECRETARY

Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT, 1955, is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee, the Surveyor-General, is a member of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE KILLARNEY RECREATIONAL RESERVE ACT, 1962-63 (Amendment), establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 37 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 and rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is 50 cents per day or \$3.00 for the season. Campsite charges are \$1.00 per day. (The seasonal admission is valid for any provincial park or any park of the Ontario-St. Lawrence Development Commission or the Niagara Parks Commission. This arrangement is approved by the Ontario Parks Integration Board.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the Ontario-St. Lawrence Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development and their successors from time to time, and any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of provincial parks and parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act and the Ontario-St. Lawrence Development Commission Act.

THE PARKS ASSISTANCE ACT provides financial assistance to municipalities (including certain Indian Bands) in the establishment of parks to be maintained and operated in such manner as will be complementary to provincial parks. On the recommendation of the Ontario Parks Integration Board and with the approval of the Lieutenant-Governor in Council, assistance is given by the Minister of Lands and Forests up to 50 per cent of the total cost or \$50,000 whichever is the lesser.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is C. H. Fullerton, formerly Surveyor-General, with R. G. Code, presently Surveyor-General, as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION -February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada, \$ 500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE-November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.
- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.

5. WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

7. FUR MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment or processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated June 12th, 1964, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1965, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

(a) Forest Inventory - 50 per cent.

(b) Reforestation of Crown Lands, including lands of public authorities under control of the province;

(i) \$15 per unit for planting;

(ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground preparation (scarification or controlled burning);

A unit is the planting of 1,000 trees or the seeding of an acre.

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects - 50 per cent.

(d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products - 50 per cent.

(e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection - 50 per cent.

The maximum annual payment shall not exceed \$1,650,018 for any or all projects approved under the agreement. Additional assistance may be paid if other provinces do not qualify to receive their full allotment

of the sum of \$7,910,000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after

April 1, 1963 - 50%. Cost of land and other similar items are excepted.

12. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

Division of Operations was formed on December 1st, 1957, when Personnel became a separate Section. Re-named Branch in 1959, Operations has five Sections.

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments.

CENTURY SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and shipping of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides.

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

SAFETY SECTION, responsible for the administration of The Logger Safety Act of Ontario from November 20th, 1964; operation of the Hunter Safety Training Programme; programme for safety in Provincial Parks; the internal safety programme of the Department; and administration of Workmen's Compensation as it pertains to the Department.

OPERATIONS BRANCH

Chief: P.O. RHYNAS

Assistant Chief: C. V. RICH

OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Invoicing, Leases, Customs
Circular Production, Uniforms
Material Control, Equipment Inventory
Office Management, Records

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording and Shipping of Stock
Delivery to Toronto Area Offices

CONSERVATION INFORMATION SECTION

Publications, News and Press Releases
Public Appeals, Editorial Services
Supply of Information, Photos and Slides

CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Supply of Material to Radio and Television
Exhibits and Display Material
Lectures and 16 mm. Motion Pictures

SAFETY SECTION

Chief Officer: C. V. RICH

Administration of The Logger Safety Act
Hunter Safety Training Programme
Workmen's Compensation
Department and Parks Safety Programmes

LECTURE TOURS — Number of Meetings and Attendance

Years ending March 31st	SCHOOL		PUBLIC		DEPARTMENT TOTAL		Ontario Forestry Association	
1946	423	53,913	246	24,558	669	78,471	.....	.....
1947	405	50,990	377	22,481	782	83,471	.....	.....
1948	780	101,360	752	58,615	1,532	159,975	.....	.....
1949	876	89,020	655	71,969	1,531	160,989	20	1,511
1950	827	93,895	629	136,293	1,456	230,188	401	83,566
1951	675	80,411	913	75,850	1,588	156,261	1,241	128,052
1952	702	50,900	1,246	84,283	1,948	135,183	1,141	185,552
1953	721	53,679	1,223	86,895	1,944	140,574	611	119,312
1954	1,196	89,835	1,546	95,701	2,742	185,536	792	100,650
1955	1,143	92,381	1,526	116,263	2,669	208,642	.....	.....
1956	1,076	90,540	1,402	107,746	2,478	198,286	703	56,394
1957	1,261	93,672	1,710	127,174	2,971	220,846	674	68,758
1958	972	67,013	1,708	97,334	2,680	164,347	538	68,832
1959	831	68,146	2,196	124,703	3,027	192,849	409	40,430
1960	1,094	92,794	2,715	158,682	3,809	251,476	484	61,056
1961	1,026	80,015	3,198	187,686	4,224	267,701	401	48,756
1962	808	63,957	2,533	164,119	3,341	228,076	406	58,442
1963	771	60,788	2,640	211,877	3,411	272,665	374	46,860
1964	87,877	72,773	2,095	159,968	2,972	232,741	398	42,267

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

Years Ending 31st March	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	ADVERTISEMENTS			Tons of Supp- lies	PRINTED MATERIAL		
					*Letters of Enquiry Answered	Adminis- tration	Conser- vation		Licences	Parks Permits	Publi- cations
1946	24	.....	.....	..	.....	77	26	..	.....	.....	.....
1947	25	.....	.....	8	4,200	508	65	..	.....	.....	.....
1948	26	.....	.....	13	6,900	...	..	..	.....	.....	.....
1949	28	.....	.....	15	7,700	130	57	150	701,450	.....	.....
1950	28	.....	1,800	38	8,065	60	44	160	774,470	.....	.....
1951	38	.....	1,800	64	7,200	127	43	170	802,900	.....	.....
1952	56	.....	1,800	64	8,100	57	39	175	868,300	.....	.....
1953	73	750	2,100	68	9,000	74	27	176	910,480	.....	.....
1954	89	750	1,800	75	9,000	57	36	200	1,005,000	.....	.....
1955	119	750	3,500	75	7,000	103	45	470	1,055,299	.....	.....
1956	159	1,000	4,500	75	8,400	99	55	..	1,120,654	.....	.....
1957	178	1,500	6,000	75	10,800	112	53	488	1,154,000	.....	.....
1958	208	1,500	9,000	75	14,600	93	52	350	1,212,920	271,600	.....
1959	226	1,800	9,200	75	21,010	139	54	218	1,279,067	300,000	1,941,819
1960	226	1,900	9,000	75	26,000	140	55	377	1,260,917	300,000	2,124,688
1961	234	2,000	9,000	75	29,200	50	49	308	1,363,712	689,000	1,155,151
1962	250	3,000	9,000	75	30,000	52	44	253	1,392,043	825,900	1,196,414
1963	264	3,700	9,000	75	30,300	150	50	228	1,432,902	1,000,850	1,442,523
1964	280	3,800	9,200	75	32,000	178	50	247	1,542,810	1,057,730	1,918,841

*Information supplied by mail. **Technical publications not included after 1962.

LANDS AND FORESTS PUBLICATIONS

(Not including technical publications)
as of December 31, 1964

Code

FW FISH AND WILDLIFE BRANCH

- 1. Sport Fishes of Ontario (colour chart).....\$1.00
- 2. Commercial Fishing in Ontario
- 4. Summary of the Ontario Regulations Which Apply to Trapping and Fur Dealing
- 5. Fur in Ontario
- 6. The Ontario Outdoorsman's Manual.....\$0.25
- 7. Fishing in Lake Simcoe.....\$1.00
- 8. The Game and Fish Act and The Ontario Fishery Regulations
- 9. Summary of The Ontario Fishery Regulations
- 10. Extracts from The Ontario Fishery Regulations (poster)
- 11. Summary of the Ontario Big Game Hunting Seasons
- 12. Summary of The Ontario Hunting Regulations
- 13. The Ten Commandments of Hunter Safety
- 14. Why Hunter Safety Training?
- 16. Fishes of Ontario.....\$2.50
- 17. Where to Fish in Northwestern Ontario
- 18. Where to Fish in Northeastern Ontario
- 19. Where to Fish in Southern Ontario

FP FOREST PROTECTION BRANCH

- 1. Dutch Elm Disease in Ontario
- 2. Operation: Survival in the Woods (juvenile)
- 3. Early Days (Air Service History)
- 4. The Forest Fires Prevention Act
- 5. Our Forests Are Burning

S LANDS AND SURVEYS BRANCH

- 1. List of Water Powers.....\$0.75
- 2. List of Geographic Townships.....\$0.50
- 5. Price List of Lithographed Maps and Plans
- 6. Summer Resort Lands in Ontario

L LAW BRANCH

- 1. Complete Set of the 21 Acts administered by Lands and Forests (without binders).....\$5.00

1. Meet the Wildlife of Ontario's Outdoors\$0.35
2. Camping in the Muskoka Region\$2.00
3. How to Survive in the Woods
4. Early Days in Haliburton\$2.50
5. List of Publications for Distribution
6. The Birch Bark Canoe
8. Annual Report of the Minister of Lands and Forests
 - Part I: Detailed
 - Part II: Highlights
9. A Statistical Reference of Lands and Forests Administration
10. A Teacher's Guide to Forest Conservation
11. Common Trees.....white pine, jack pine, spruce, sugar maple and yellow birch.
12. Common Birds.....bluebird, black-capped chickadee and white-throated nuthatch, flicker, evening grosbeak, rose-breasted grosbeak, song sparrow, white throated sparrow, and scarlet tanager.
13. Common Mammals.....beaver, black bear, coyote, red fox, muskrat, otter, cottontail rabbit, squirrels, timber wolf, and woodchuck (groundhog).
14. The Pointer Boat
15. List of Publications of Lands and Forests and Other Agencies Suitable for Use in Elementary Schools
16. Tower Jack
18. List of Technical Publications for Distribution
19. Ontario Resources Atlas (maps in colour).....\$1.00
20. Lumber in Ontario
21. Landlocked Sea Lamprey
22. Indians of Ontario\$1.00
23. Pulp and Paper in Ontario
24. The Ontario Tree Seed Plant
25. Publication Price List
26. Forest District Histories

1. Kapuskasing	10. Kenora
2. Geraldton	11. Gogama
3. Lake Huron	12. Parry Sound
4. Port Arthur	13. North Bay
5. White River	14. Cochrane
6. Sioux Lookout	15. Swastika
7. Lake Simcoe	16. Chapleau
8. Fort Frances	17. Kemptville
9. Lake Erie	18. Lindsay

PK**PARKS BRANCH**

1. Algonquin Story..... \$2.50
2. Algonquin Provincial Park
3. Canoe Routes -- Algonquin
4. Canoe Routes -- Quetico
8. Reptiles of Algonquin Park
12. Provincial Parks in Ontario
15. So You Want to Go Camping?
18. Quetico Provincial Park
19. H. M. S. Nancy (and the War of 1812)
20. Watch It!

PERSONNEL BRANCH**P**

1. Ontario Forest Ranger School (prospectus)
2. Ontario Forest Ranger School (information brochure)
3. Ontario Junior Forest Ranger Programme

TM**TIMBER BRANCH**

3. The Forest Resources of Ontario
5. The Farm Woodlot
7. Planning for Tree Planting
8. The Care and Planting of Forest Trees
9. Forest Tree Planting
10. Manual of Seed Collecting
11. The Forest Trees of Ontario.....\$0.50
12. Hardwood Trees of Ontario.....\$0.50
13. Fifty Years of Reforestation in Ontario.....\$0.50
14. Farm Forestry Service for You
15. The Farm Windbreak
16. 4-H Forestry Club Leader's Guide

PARKS BRANCH

With the realization of an imminent need for public outdoor recreational space, the Division of Parks was established on October 1, 1954, with the late W. B. Greenwood as Chief. It was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1, 1961. After a lengthy illness, he was superannuated on December 31, 1964.

D. R. Wilson was appointed Director of Parks and Recreation in December, 1964.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established in 1894 by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Long Point was established in 1921 by the Long Point Park Act, 2 George V, Chapter 35. Presqu'ile was established in 1922 by the Presqu'ile Park Act, 12 George V, Chapter 39. Quetico, Ipperwash, Sibley and Lake Superior were established by Orders-in-Council.

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from the Department of Highways in 1957. Ten were returned in the year ending March 31, 1960.

Within the responsibility of providing parklands for public recreation is the provision of certain facilities. With few exceptions, the emphasis is placed upon the natural environment with planning and development consistent with the natural surroundings.

In certain provincial parks, museums, exhibit centres, self-guiding trails and interpretive programmes of conducted trips and illustrated talks indicate and explain significant natural and historical park features.

Waterfowl shooting has been continued through the years in Rondeau and Presqu'ile Provincial Parks. It was discontinued, temporarily, in Darlington and Holiday Beach Provincial Parks and renewed in 1960 and 1961, respectively.

Pheasant shooting of stocked birds was opened in 1961 in Sibbald Point, Presqu'ile and Darlington Provincial Parks and in 1963 in Earl Rowe Provincial Park.. With the addition of the Townships of Bruton and Clyde to Algonquin Provincial Park in 1961, moose and deer hunting were permitted to be continued in those townships. Moose hunting, which has been discontinued in Lake Superior Park since 1957, was reopened in 1961.

To extend the use of provincial parks, 1960 saw the beginning of facilities to offer tobogganing and skating in Kakabeka Falls Provincial Park, tobogganing, skating and skiing in Pinery Provincial Park and skating in Darlington Provincial Park. In 1962, a poma ski lift was added to the Pinery.

PARKS BRANCH

Acting Chief: T. W. Hueston

DEVELOPMENT SECTION

Supervisor: T. W. Hueston

PLANNING SECTION

Supervisor: A. R. K. MacDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

OFFICE MANAGEMENT SECTION

Office Manager: T. M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

Year	Parks	Vehicles	Campers	Wilderness Campers	Total Visitors
1956	21	.....	61,000	.....	.....
1957	39	629,666	116,000	.....	2,114,661
1958	45	927,871	196,000	16,309	3,232,460
1959	55	1,420,180	340,000	50,403	5,127,199
1960	63	1,552,662	421,000	35,778	5,692,978
1961	77	1,725,876	613,000	57,992	6,215,370
1962	82	2,182,116	750,000	46,753	7,822,549
1963	86	2,372,223	840,491	49,372	8,526,443
1964	90	2,549,716	922,632	49,112	9,139,975

ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	Parks	Museums	Labelled Trails	Conducted Trips	Lectures	Total
1950	1	.....	6,173	363	1,230	7,766
1951	1	.....	5,390	413	2,343	8,146
1952	2	200	14,341	752	3,017	18,310
1953	2	53,843	12,761	952	6,311	73,867
1954	3	72,889	18,920	1,353	9,714	102,826
1955	3	75,711	25,388	1,927	8,444	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	217,672	38,771	5,782	23,988	286,213
1960	9	*298,129	46,679	6,958	24,296	*376,062
1961	8	*311,291	46,955	7,104	29,626	*394,976
1962	12	*374,475	55,553	9,748	47,641	*487,417
1963	11	*371,275	*61,647	10,949	51,143	*495,014
1964	12	*367,292	*80,815	10,458	49,235	*507,800
1964						
Algonquin....		*275,260	52,100	4,614	20,918	*352,892
Nancy Island.		19,781	.....	.....	.....	19,781
Presqu'île...		*21,200	3,651	1,282	8,773	*34,906
Quetico.....		*5,306	804	602	1,847	*8,559
Rondeau.....		22,136	.....	875	2,542	25,553
Sibbald Point		23,609	.....	.....	.....	23,609
Sibley.....		.....	.....	460	3,215	3,675
Inverhuron...		.....	*19,800	.....	.....	*19,800
Lake Superior		.....	*1,000	362	2,940	*4,302
Kap-Kig-Iwan.		.....	*2,500	.....	.....	*2,500
Pinery.....		.....	.....	2,263	9,000	11,263
Kettle Lakes.		.....	*960	.....	.....	*960

*Estimated

90 PROVINCIAL PARKS IN OPERATION IN 1964

Distr. Pa.	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1964	Visitors in 1964
CHAPLEAU						
Five Mile Lake.....	1,010	Sep 29, 1958	0. Reg. 251/58	87	3,248	3,379
COCHRANE						
Greenwater.....	10,560	May 21, 1963	0. Reg. 117/63	20	2,600	17,220
Kettle Lakes.....	2,304	May 21, 1963	0. Reg. 117/63	95	4,320	58,069
Charles Island.....	172	.....	.....	10	.....	.....
FORT FRANCES						
Caliper Lake.....	246	Jul 22, 1960	0. Reg. 204/60	86	7,120	30,462
Lake of the Woods.....	2,127	.....	.....	87	1,240	19,373
Quetico.....	1,148,800	Apr 1, 1909	Order-in-Council	115	4,440	50,487
GERALDTON						
Blacksand.....	3,353	Jul 22, 1960	0. Reg. 204/60	168	8,428	22,296
Klotz Lake.....	210	Jul 22, 1960	0. Reg. 204/60	33	2,640	12,967
MacLeod Lake.....	200	May 21, 1963	0. Reg. 117/63	54	4,120	67,742
Rainbow Falls.....	277	May 21, 1963	0. Reg. 117/63	175	24,280	84,029
Ney's.....	8,150	.....	.....	80	12,600	34,286
GOGAMA						
Ivanhoe.....	1,280	Jun 25, 1957	0. Reg. 144/57	130	3,600	13,337
KAPUSKASING						
Nagamisis.....	11,878	May 21, 1963	0. Reg. 117/63	80	2,240	10,597
Remi Lake.....	980	Jun 25, 1957	0. Reg. 144/57	70	4,280	26,851
KEMPTVILLE						
Fitzroy.....	434	May 21, 1963	0. Reg. 117/63	251	8,680	80,125
Rideau River.....	130	May 21, 1963	0. Reg. 117/63	191	13,640	221,397
Silver Lake.....	78	May 21, 1963	0. Reg. 117/63	197	11,200	108,029
South Nation.....	13	Jul 22, 1960	0. Reg. 204/60	28	6,760	39,828

KENORA

Aaron.....	124	Sep 29, 1958	0. Reg. 251/58	60	12,280	67,050
Rushing River.....	395	Sep 29, 1958	0. Reg. 251/58	100	13,320	94,208
Sioux Narrows.....	284	Jun 25, 1957	0. Reg. 144/57	60	4,480	30,733
Blue Lake.....	176	Jul 22, 1960	0. Reg. 204/60	100	6,960	39,759

LAKE ERIE

Clay Creek.....	24	May 21, 1963	0. Reg. 117/63	47	1,648	40,546
Holiday Beach.....	205	Oct 6, 1958	0. Reg. 254/58	56	3,360	198,857
Ipserwash.....	105	Jun 24, 1938	Order-in-Council	268	14,040	173,734
Long Point.....	848	May 3, 1921	(Act-See above)	325	19,000	284,690
Pinery.....	4,333	Oct 11, 1957	0. Reg. 229/57	1,075	54,160	544,929
St. Williams.....	8	.....	.....	.....	.....	19,957
Rock Point.....	42	Jun 25, 1957	0. Reg. 144/57	42	3,440	24,684
Rondeau.....	5,504	May 5, 1894	(Act-See above)	509	29,600	616,073
Turkey Point.....	778	Apr 21, 1959	0. Reg. 70/59	476	12,200	379,265
John E. Pearce.....	58	May 21, 1963	0. Reg. 117/63	.....	.....	.....
Port Bruce.....	28	.....	.....	.....	.....	.....
Wheatley.....	524	.....	.....	.....	.....	.....

LAKE HURON

Craigleith.....	31	.....	.....	170	13,160	49,199
Inverhuron.....	545	.....	.....	331	18,560	120,392
Sauble Falls.....	44	.....	.....	146	10,800	140,112
Point Farms.....	375	.....	.....	.....	.....	.....

LAKE SIMCOE

Bass Lake.....	87	Jun 25, 1957	0. Reg. 144/57	154	15,840	149,228
Devils Glen.....	14	.....	.....	40	2,760	79,337
Earl Rowe.....	742	Jun 29, 1964	0. Reg. 161/64	99	5,940	86,134
Sibbald Point.....	495	May 21, 1963	0. Reg. 117/63	650	32,280	330,399
Six Mile Lake.....	177	Feb 24, 1958	0. Reg. 42/58	209	15,080	123,411
Springwater.....	117	Sep 29, 1958	0. Reg. 251/58	.....	.....	116,093
Wasaga Beach.....	174	May 21, 1963	0. Reg. 117/63	.....	.....	858,353
Mara.....	90	.....	.....	.....	.....	.....

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Campers in 1964	Visitors in 1964
LINDSAY						
Darlington.....	295	Oct 30, 1959	0. Reg. 253/59	230	15,420	125,327
Emily.....	66	Jun 25, 1957	0. Reg. 144/57	88	13,560	115,418
Mark S. Burnham.....	101	Jul 26, 1955	0. Reg. 148/55	.....	.....	27,487
Presqu'ile.....	2,170	May 18, 1922	(Act-see above)	500	31,000	275,860
Serpent Mounds.....	70	Jun 25, 1957	0. Reg. 144/57	92	13,000	35,108
Balsam Lake.....	1,040	.....	.....	100	4,000	4,000
NORTH BAY						
Antoine.....	23	.....	.....	29	1,480	32,629
Finlayson Point.....	77	May 21, 1963	0. Reg. 117/63	114	7,960	103,324
Marten River.....	766	May 21, 1963	0. Reg. 117/63	237	12,880	81,951
Samuel de Champlain.....	2,180	.....	.....	224	7,880	47,118
PARRY SOUND						
Grundy Lake.....	6,130	Apr 21, 1959	0. Reg. 70/59	485	24,320	149,672
Oastler Lake.....	42	.....	.....	120	14,520	144,590
Killbear Point.....	2,334	.....	.....	722	24,560	199,819
Mikisew.....	99	Jun 29, 1964	0. Reg. 161/64	123	6,200	26,949
Sturgeon Bay.....	20	Jul 22, 1960	0. Reg. 204/60	91	7,000	33,419
Restoule.....	1,417	May 21, 1963	0. Reg. 117/63	257	4,120	31,449
PEMBROKE						
Algonquin.....	1,862,144	May 27, 1893	(Act-see above)	1,298	78,040	470,089
Carson Lake.....	15	.....	.....	44	3,968	5,965
Driftwood.....	655	May 21, 1963	0. Reg. 117/63	85	7,920	11,884
PORT ARTHUR						
Inwood.....	82	Sep 29, 1958	0. Reg. 251/58	60	12,520	22,005
Sibley.....	52,780	May 21, 1963	0. Reg. 117/63	221	12,880	39,610
Kakabeka Falls.....	891	.....	.....	69	24,720	409,981
Middle Falls.....	11	Jul 22, 1960	0. Reg. 204/60	20	7,400	46,189

SAULT STE. MARIE					
Pancake Bay.....	710			288	20,600
Batchawana.....	40			.....	.....
Lake Superior.....	336,590			316	37,400
Mississagi.....	95,360			.....	.....
SIoux LOOKOUT					
Pakwash.....	1,560			77	1,680
Ojibway.....	6,130			58	1,280
SUDBURY					
Fairbank.....	85			132	10,000
Windy Lake.....	293		0. Reg. 144/57	76	3,880
Chutes.....	245		0. Reg. 88/59	97	12,160
Killarney.....	app. 90,000		.....	30	2,240
SWASTIKA					
Esker Lakes.....	7,680		0. Reg. 144/57	136	4,520
Kap-Kig-Iwan.....	759		0. Reg. 117/63	64	3,100
TWEED					
Black Lake.....	77		0. Reg. 117/63	200	8,200
Lake on the Mountain...	256		0. Reg. 144/57	.....	.....
Lake St. Peter.....	62		.....	60	3,240
Outlet Beach.....	263		0. Reg. 117/63	400	17,480
Sandbanks.....	1,200		.....	.....	.....
Bon Echo.....	15,225		.....	400	14,560
WHITE RIVER					
White Lake.....	3,980		0. Reg. 117/63	168	22,120
Obatanga.....	34,240		.....	61	10,480
TOTALS FOR 90 PARKS					
	3,736,549			14,773	922,632
					<u>66,635</u>
					<u>20,454</u>
					9,139,975

54 PROVINCIAL PARK RESERVE AREAS, 1964

DISTRICT Reserve Area	AREA (Acres)	LOCATIONS
CHAPLEAU		
Sand Shoals	24, 960	Peters, Cosens, Topham, Triquet Twps.
COCHRANE		
Pierre, Montreuil, Harris Lakes	46, 000	McQuibban, Swartman Twps.
Long Point Peninsula . .	18, 500	Lake Abitibi
Dana Lake	3, 200	Whitesides Twp.
Moose River	2, 860	Adjacent to Horden Twp.
FORT FRANCES		
Parry Strait	2, 700	Rainy Lake
Warner Lake	7, 450	South of Tanner Twp.
Sandpoint Island	1, 470	
Pow-Wow Grounds	1, 730	
GOGAMA		
Chester	28, 000	Chester Twp.
GERALDTON		
Esnagami	58, 000	Esnagami, Alpha, Rupert Twps.
Steel River	2, 700	Part Twp. 81
Partridge Lake	6, 500	Legault, Colter Twps.
Leekinto Lake	2, 250	Part O'Meara Twp.
Fernow Lake	20, 000	Part Fernow Twp.
Steel Lake	51, 000	(Unsubdivided)
Purgatory Chutes	100	Pagwachuan River
Roslyn Lake	31, 000	(Unsubdivided)
Kama Bay	1, 750	Twps. 88, 89, 91
KAPUSKASING		
Nagagami Lake	4, 085	Nagagami Twp.
Rogers Twp	1, 510	Rogers Twp.
Hanlan Lake	9, 000	Hanlan, Bannerman Twps.
KEMPTVILLE		
Murphy's Point	784	North Burgess Twp.
KENORA		
Pipestone	3, 530	Manross Twp.
Shoal Lake	46, 700	Lake of the Woods
LAKE SIMCOE		
Methodist Point	1, 850	Tiny Twp.
Little Lake	100	Vespra Twp.
Matchedash Twp	6, 200	Matchedash Twp.
LINDSAY		
Red Pine Lake	6, 580	Part Sherborne Twp.
Silent Lake	1, 700	Part Cardiff Twp.
Kawartha	3, 800	Anstruther, Cavendish Twps.
Gull River	20	Somerville, Laxton Twps.
NORTH BAY		
*Mashkinonge	2, 543	Haddo Twp.
W. B. Greenwood	23, 000	Gillies Limit: Brigstocke, Banting, Best Twps.

*Established May 21, 1963, under O. Reg. 117/63

PARRY SOUND

McDonald Bay	1, 100	Gibson Twp.
O'Donnell Point	2, 130	Freeman Twp.
Round Lake.	24, 265	Shawanaga, Ferguson, Burpee Twps.
South Bay	3, 936	Nipissing Twp.
Bigwind Lake	5, 400	Oakley Twp.
Shawanaga Basin	2, 560	Shawanaga, Harrison Twps.

PORT ARTHUR

Silver Falls	8, 800	Forbes, Fowler Twps.
*Arrow Lake	100	(Unsubdivided)
Kopka Lake.	37, 300	English Bay, Lake Nipigon
Kashabowie Lake	740	Kashabowie Lake
Arrowhead Peninsula	850	
Inwood Twp.	1, 200	Inwood Twp.
Eaglehead Lake	1, 000	

SAULT STE. MARIE

Aubrey Falls	6, 000	Twp. 4E
Mashagama Lake	8, 300	Twp. 4F

SIOUX LOOKOUT

Sandbar Lake	355	North of Skey Twp.
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SUDBURY

Wahnipitei Lake	1, 300	Rathbun Twp.
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SWASTIKA

McCann Twp	640	McCann Twp.
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WHITE RIVER

Kawapitapika Lake	2, 800	Part Leslie, Knowles Twps.
Twp. 66, etc.	36, 928	66, Cooper, Tedder, Odium
		Hambleton Twps.

TOTAL 567, 776

NEW POLICIES

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification
Class Specifications
Job Descriptions
Salary Surveys

Personnel Records
Nominations, Separations, Renewals
Permanent and Temporary Appointments
Annual Increments, Attendance

Junior Ranger Programme

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff.

NUMBER OF EMPLOYEES
in years ending March 31st

WORKMEN'S
COMPENSATION

Year	Perm- anent	Temp orary	Mon- thly	Total	Casual*	Claims	Cost
1943	304	218	...	522	339	...	.....
1944	310	268	...	578	397	98	\$ 12,850
1945	324	305	...	629	929	120	14,540
1946	373	318	...	691	573	129	14,249
1947	523	562	...	1,085	527	182	21,560
1949	1,167	196	...	1,363	562	494	35,989
1950	1,352	157	...	1,509	580	501	50,989
1951	1,420	141	...	1,561	617	394	43,951
1952	1,441	181	...	1,622	790	368	54,158
1953	1,518	158	...	1,676	680	417	51,169
1954	1,546	175	...	1,721	633	494	64,693
1955	1,618	142	...	1,760	727	455	63,357
1956	1,611	180	...	1,791	655	910	106,962
1957	1,583	175	...	1,758	929	588	85,159
1958	1,685	134	...	1,819	3,209	727	101,376
1959	1,759	113	...	1,872	2,750	874	132,572
1960	1,946	90	...	2,036	1,224	687	150,709
1961	2,096	121	320	2,537	1,734	649	130,210
1962	2,348	189	44	2,581	1,059	771	120,384
1963	2,368	181	40	2,589	701	640	171,802
1964	2,337	207	...	2,544	650	773	152,913

* Does not include extra fire fighters.

ON STAFF		NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st					
Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
...	...	1943	56	..	..	19	75
...	...	1944	45	..	..	13	58
...	...	1945	54	..	..	29	83
...	...	1946	55	..	..	14	69
...	...	1947	...	..	..	..	...
...	...	1949	85	18	2	10	115
...	...	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330

DISTRIBUTION OF JUNIOR RANGERS

(Summer Months)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau.....	14	15	23	26	40	46	39	38	35
Cochrane.....	12	25	25	21	26	36	39	45	39	35	24
Fort Frances.....	14	16	14	14
Geraldton.....	10	10	10	15	35	24	27	48	59
Gogama.....	10	15	12	21	25	34	43	27	38	36
Kapuskasing.....	8	10	14	12	12	21	32	43	33	28	34
Kenora.....	11	..	..	..	10	..	10	11	25
Lindsay.....	12	15	14	14	25	29	46	..	..	..
North Bay.....	10	13	12	18	21	26	27	21	22	30	38	38	38	48	35
Parry Sound.....	11	10	10	12	25	19	18	12	12	15	20	25	46	35	36
Pembroke.....	12	29	20	40	42	32	32	35	42	51	48	42	34
Port Arthur.....	13	15	11	8	24	13	36
Sault Ste. Marie..	..	10	10	11	13	22	20	20	31	37	60	53	75	73	64
Sioux Lookout.....	9	12	21	19	..	11	13	13
Sudbury.....	..	7	15	13	20	26	16	14	14	23	24	42	76	51	46
Swastika.....	8	28	32	24	24	27	31	11	43	24	24
Tweed.....	9	21	19	18	15	24	29	32	26	..	..	..
White River.....	12	11	22	23	28	42	62	39	49
TOTAL.....	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964
Chapleau.....	37	36	69	88	112	124
Cochrane.....	24	25	36	33	57	67
Fort Frances.....	23	12	12	24	49	42
Geraldton.....	64	46	60	55	94	113
Gogama.....	39	37	47	35	56	67
Kapuskasing.....	40	36	36	39	62	72
Kenora.....	26	13	12	13	39	45
North Bay.....	38	26	36	34	73	113
Parry Sound.....	37	36	46	55	93	137
Pembroke.....	34	24	33	37	71	70
Port Arthur.....	39	24	25	36	132	137
Sault Ste. Marie.	63	67	64	65	119	136
Sioux Lookout....	15	13	..	23	47	49
Sudbury.....	39	49	48	57	113	138
Swastika.....	26	24	48	40	98	116
White River.....	49	35	47	47	85	93
TOTAL	593	503	619	681	1,300	1,519

SUMMARY OF CLASSIFICATIONS

Permanent and temporary staff as of November 30, 1964

GROUPS	Head Office	Field	Total
Air Engineers.....	36	11	47
Air Pilots.....	19	19	38
Air Service Staff.....	22	..	22
Biologists.....	19	48	67
Boat Captains.....	..	3	3
Communications Technicians...	8	19	27
Conservation Officers.....	3	248	251
Draughtsmen, Cartographers...	42	1	43
Drivers, Highway Operators...	2	35	37
Engineers.....	4	..	4
Engineers, Stationary.....	5	5	10
Foresters.....	45	145	190
Forestry Technicians.....	..	520	520
Hatchery Staffs.....	9	61	70
Instructors.....	1	8	9
Legal Officers.....	3	..	3
Maintenance Staffs.....	7	118	125
Mechanics.....	..	42	42
Office Staffs.....	319	319	638
Photography Staff.....	19	..	19
Radio Operators.....	3	21	24
Rangers.....	..	170	170
Reforestation Staffs.....	2	84	86
Research Scientists.....	22	6	28
Research Technicians.....	6	1	7
Safety Officers.....	2	3	5
Supervisory Staff.....	29	43	72
Surveyors.....	7	..	7
Survey Technicians.....	7	..	7
TOTAL.....	641	1,930	2,571
Class 7	..	4	4
Class 6	..	32	32
Class 5	..	69	69
FORESTRY	Class 4	..	160
TECHNICIANS	Class 3	..	81
	Class 2	..	145
	Class 1	..	29
Class 6	..	8	8
Class 5	2	13	15
CONSERVATION	Class 4	..	16
OFFICERS	Class 3	..	19
	Class 2	..	169
	Class 1	1	24
			25

ASSISTANT DEPUTY MINISTER

G.H.U. BAYLY

REGIONAL DIRECTORS

R.D.K. ACHESON ----- 172 Elm St., West,
Sudbury.
Telephone 674-3151.

L. RINGHAM----- Forestry Building,
Port Arthur.
Telephone 345-6543.

REGIONAL FORESTERS

R. BOULTBEE ----- WESTERN
232 Scott St.,
Fort Frances.
Telephone 274-5337.

----- MID-WESTERN
Forestry Building
Port Arthur.
Telephone 345-6543.

R.H. HAMBLY ----- NORTHERN
113 6th Avenue,
Cochrane.
Telephone 272-4887

----- SOUTH-EASTERN
Ontario Government Building,
Lindsay.
Telephone 324-6121.

P. ADDISON ----- SOUTH-WESTERN
R.R. 2, Maple.
Telephone Av-5-1171-212.

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles as of June 2, 1964)	Administrative District Fish & Wildlife Control			Fire Protection		
	Land	Water	Total	Land	Water	Total
Chapleau.....	6,279	633	6,912	6,279	633	6,912
Cochrane.....	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances.....	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton.....	35,543	9,807	45,350	35,543	9,807	45,350
Gogama.....	5,931	446	6,377	5,931	446	6,377
Kapuskasing.....	17,776	750	18,526	17,776	750	18,526
Kemptville.....	5,632	313	5,945	.....	.....	.....
Kenora.....	9,173	3,000	12,173	9,173	3,000	12,173
Lake Erie.....	6,905	6,142	13,047	.....	.....	.....
Lake Huron.....	8,860	6,486	15,346	723	22	745
Lake Simcoe.....	4,710	1,444	6,154	220	19	239
Lindsay.....	5,097	1,692	6,789	2,498	217	2,715
North Bay.....	4,969	887	5,856	4,969	887	5,856
Parry Sound.....	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke.....	4,765	410	5,175	4,575	400	4,975
Port Arthur.....	16,933	3,067	20,000	16,933	3,067	20,000
Sault Ste. Marie.....	8,167	3,387	11,554	8,024	3,328	11,352
Sioux Lookout.....	103,392	10,610	114,002	67,778	7,512	75,209

Sudbury.....	6, 538	4, 298	10, 836	6, 538	1, 243	7, 781
Swastika.....	5, 270	291	5, 561	5, 270	291	5, 561
Tweed.....	6, 734	1, 706	8, 440	4, 558	304	4, 862
White River.....	6, 400	3, 051	9, 451	6, 400	3, 051	9, 451
TOTAL.....	342, 968	68, 490	411, 458	269, 162	43, 486	312, 648
Manitoulin Island Group.....			1, 124			
Total Area of Ontario.....			412, 582	Square Miles.	This includes the Great Lakes north of the International Boundary.	

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1, 593; Geraldton, 4, 872; White River, 2, 530; Sault Ste. Marie, 2, 737; Tweed, 1, 349; Lindsay, 1, 268; Lake Erie, 5, 832; Lake Huron, 6, 446; Sudbury, 3, 664; and Parry Sound, 2, 323. Total: 33, 696 square miles.

Ontario's southern boundary has a shoreline of 2, 362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2, 120 feet above sea level.

(SEE MAP OF DISTRICTS, PAGE 138)

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J.R. Keddle

SUPERVISORS

Accounts	H. Tjoelker
Fish and Wildlife	V. Crichton
Forest Protection	T.C. Cooke
Lands	W.E. MacPhail
Parks	W.E. MacPhail
Timber	D.E. Gage
Scaling	L.C. Mantle

CHIEF RANGERS

Biscotasing	W.P. O'Donnell
Chapleau	L.T. Cecile

DEPUTY CHIEF RANGERS

F.R. Bergin, Chapleau	H.G. Kohls, Missanable
G. Dingee, Sultan	L.G. Woods, Chapleau

COCHRANE DISTRICT

OFFICE: Court House. Telephone 272-4891.

District Forester F.L. Hall

SUPERVISORS

Accounts	A.N. Birney
Fish and Wildlife	S. Nodwell
Forest Protection	G.P. Elliott
Lands	H.E. Wright
Parks	D.E. Stewart
Timber	P.E. Anslow
Scaling	J.H. Butts

CHIEF RANGERS

Wade Lake	R. Woodall
Cochrane	A.C. Hutchinson
Timmins	C.R. Gray

DEPUTY CHIEF RANGERS

J.D. Bond, Kettle Lake	A.E. Ross, Cochrane
W.J. Froude, Cochrane	I. Stewart, Timmins
L.A. Mahon, Nellie Lake	K.C. Veitch, Smooth Rock Falls
R. Patrick, Cochrane	K.G. Wiskin, Timmins

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone 274-5337.

District Forester R. A. Balkwill

SUPERVISORS

Accounts	A. R. Taylor
Fish and Wildlife	D. D'Agostini
Biologist	
Forest Protection	R. V. Brady
Surveys and Parks	L. Rawn
Timber	H. Henry
Scaling	G. E. Mayhew

CHIEF RANGERS

Fort Frances	J. E. Anderson
Atikokan	F. Dustak

DEPUTY CHIEF RANGERS

F. R. Dumeney, Rainy Lake	R. H. Pattison, Barwick
M. J. Kaliska, Atikokan	S. V. Roberts, Fort Frances
S. A. Kellar, Rainy Lake	

GERALDTON DISTRICT

OFFICE: 184 Main Street. Telephone 1030.

District Forester G. E. MacKinnon

SUPERVISORS

Accounts	B. J. Scalzo
Fish and Wildlife	E. H. Stone
Biologist	J. Goddard (Acting)
Land and Parks	A. F. Parker
Timber	F. C. Robinson
Scaling	A. G. Strey

CHIEF RANGERS

Longlac	R. W. Koski
Nakina	J. A. Murphy
Pays Plat	B. J. Lapenskie
Geraldton	P. Bellavance
MacDiarmid	J. P. King

DEPUTY CHIEF RANGERS

J. W. Auger, MacDiarmid	A. Hoshino, Longlac
J. E. Scott, Nakina	M. Linard, Longlac
K. E. Bowlier, Pays Plat	B. Petman, MacDiarmid
A. J. Bull, Pays Plat	E. D. Turner, Geraldton
N. A. Grozelle, Longlac	M. Wasyliw, Geraldton

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester D.M. Peacock

SUPERVISORS

Accounts.....	J.D. Petrony
Fish and Wildlife	D.J. Gawley
Forest Protection	W.G. Taylor
Lands	E.N. Arbuckle
Parks	E.N. Arbuckle
Timber.....	J. McKnight
Scaling	E. Dew

CHIEF RANGERS

Foleyet	J.R. Languerand
Gogama	A.F. Papineau

DEPUTY CHIEF RANGERS

W.E. Belisle, Gogama	J.R. Morin, Gogama
G. Herron, Gogama	J.E. Morin, Gogama
R.A. Beauchamp, Gogama	D.S. Stewart, Gogama

KAPUSKASING DISTRICT

OFFICE: Kapuskasing.
Telephone 335-2231.

District Forester D.A. Fawcett

SUPERVISORS

Accounts.....	J.A. Vance
Fish and Wildlife	P.A. Kwaterowsky
Forest Protection	J.L. Canfield
Lands	A.J. McGoey
Parks	
Timber.....	R.A. Baxter
Scaling	V.M. Silver

CHIEF RANGERS

Kapuskasing	J.H. Clavelle
Hearst	L.E. Fleguel
Hornepayne	L.E. Grife

DEPUTY CHIEF RANGERS

P.J. Claes, Hornepayne	F.J. Labonte, Hearst
J.G. Duhaime, Hearst	J.A. Millette, Kapuskasing
D.C. Jones, Hornepayne	J.H. Thompson, Hearst
G.O. Koistinen, Hearst	

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 258-3411.

District Forester	W.A.G. Thurston
Assistant District Forester	N.D. Patrick

SUPERVISORS

Accounts	F.S. Bumstead
Fish and Wildlife	N.D. Patrick
Forest Protection.....	E.A. Green
Lands and Parks.....	E.A. Green
Timber	H.R. Grinnell

NURSERY

Kemptville	H.H. de Vries
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DEPUTY CHIEF RANGERS

D.G. Kennedy, Lanark

KENORA DISTRICT

OFFICE: 213-15 Main Street.
Telephone 468-9841.

District Forester	G.F. Coyne
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SUPERVISORS

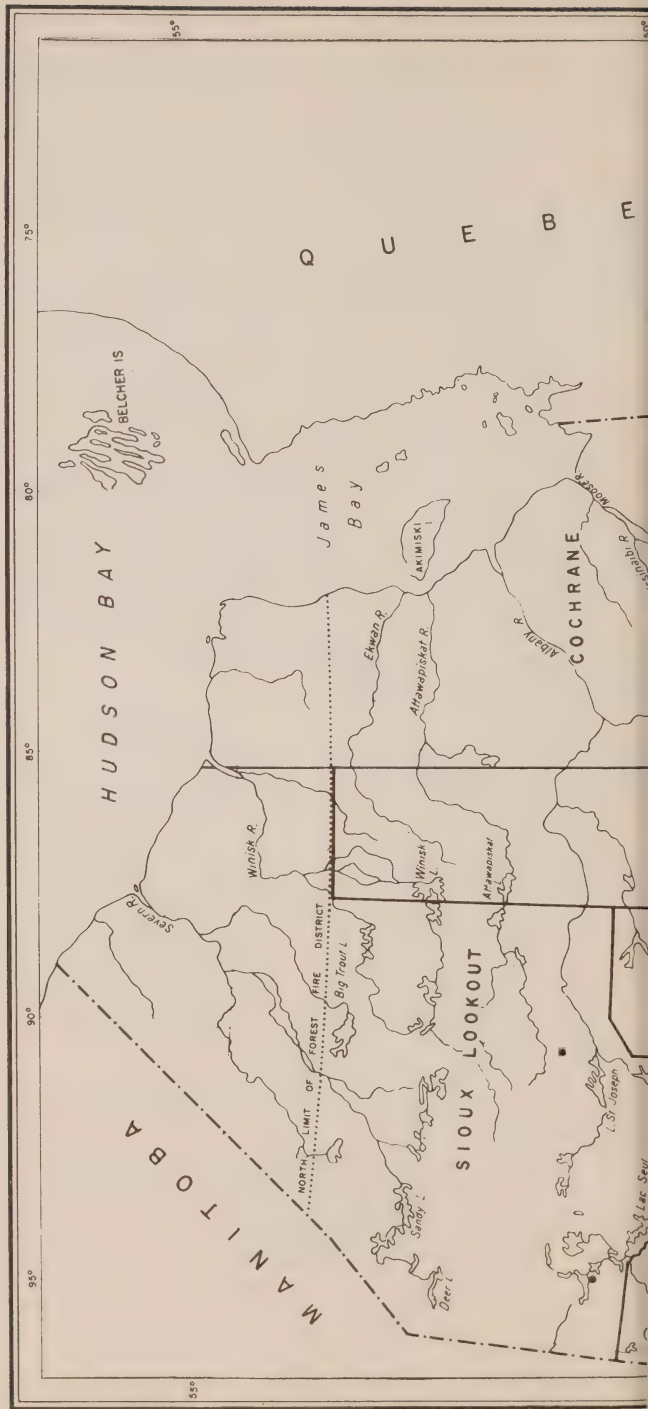
Accounts	G. McChesney
Fish and Wildlife	M. Linklater
Biologist	W.H. Charlton
Lands	J. Wynd
Parks	H.V. Berg
Timber	D.J. Vance
Scaling	G.C. Mackey

CHIEF RANGERS

Kenora	J.G. Minor
Minaki.....	N.B. Pigeon
Dryden	W.H. Forman

DEPUTY CHIEF RANGERS

K.A. Alexander, Dryden	A. Lundmark, Dryden
J.K. Cleaveley, Minaki	R.J. Kincaid, Vermilion
M.L. Frenette, Dryden	H.D. Morrison, Nester Falls
A.A. Gordon, Nester Falls	W.Neculeac, Kenora
W.O. Hansson, Dymont	A.W. Stone, Sioux Narrows



LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J.W. Lockwood

SUPERVISORS

Accounts	G.B. Fewings
Fish and Wildlife	E.L. Skuce
Parks and Lands	K.A. Cameron
Timber	C.J. Heeney

NURSERY

St. Williams V.W. Fisk

PARKS

Rondeau	D.A. Scott
Ipperwash and Clay Creek	J.A. Matheson
Long Point	T.L. Beck
Holiday Beach	

LAKE HURON DISTRICT

OFFICE: R.R. No. 1, Hespeler,
Telephone 658-9356.

District Forester E.K.E. Dreyer

SUPERVISORS

Accounts	H. Makcrow
Fish and Wildlife	D.R. Johnston
Biologist	R. Ivins
Parks & Lands	R.W. Jordan
Timber & Forest Protection	J.L. Mullen

LAKE SIMCOE DISTRICT

OFFICE: R.R. 2, Maple. Telephone Avenue 5-1171--218.

District Forester A.W. Leman

SUPERVISORS

Accounts	J. Carswell
Fish and Wildlife	R.H. Trotter
Biologist	A.A. Wainio
Lands	
Parks	
Timber	S.R. Hamilton

NURSERIES

Angus	W.E. Edwards
Midhurst.....	J. Halpenny

PARKS

Sibbald's Point	D.R. Cutts
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DEPUTY CHIEF RANGERS

H.D. Cochrane, Severn

LINDSAY DISTRICT

OFFICE: Ontario Government Building, Lindsay.

Telephone 324-6121.

(Direct line from Head Office)

District Forester A.E. Walroth

SUPERVISORS

Accounts	H.C. Wallwin
Fish and Wildlife	P.W. Swanson
Biologist	D. Johnston
Forest Protection	B.B. Benson
Lands	G. Simons
Parks	P.R. Davidson
Timber	E.F. Johnston
Scaling	R.A. Quirt

CHIEF RANGERS

Minden	P.J. Cassidy
Gooderham	W. Sarginson

PARKS

Presqu'ile	J.L. Hamill
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NURSERY

Orono	W.R. Bunting
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DEPUTY CHIEF RANGERS

H.N. Bates, Gooderham	J.M. Scott, Apsley
J.H. Lever, Lindsay	S.A. Shields, Haliburton
M.J. O'Neill, Minden	

NORTH BAY DISTRICT

OFFICE: 263a Main Street West.
 Telephone 474-5550.
 (Direct line from Head Office)

District Forester	W.B.M. Clarke
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SUPERVISORS

Accounts	J.E. Rogers
Fish and Wildlife	J.F. Gage
Biologist	J.F. Gage
Forest Protection	F.M. Miller
Lands	W. Turnbull
Parks	A.D. Tremblay
Timber	R. Lockhart
Scaling	R.T. Fraser

CHIEF RANGERS

Temagami	J.E. Rumney
North Bay	H.N. Whalen

DEPUTY CHIEF RANGERS

W.H. Hawley, Haddo	H.J. Edmunson, Marten River
A.W. Jackson, Field	T.M. McCormick, North Bay West
C.H. Laberge, Champlain	R.H. Smith, North Bay East
E.E. Lafleur, Latchford	

PARRY SOUND DISTRICT

OFFICE: 6 Miller Street. Telephone 746-2141.

District Forester	M.A. Adamson
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SUPERVISORS

Accounts	G.F. Walter
Fish and Wildlife	C.W. Douglas
Biologist	
Senior Conservation Officer	J. A. Macfie
Forest Protection	D. Burns
Lands	T.H.E. Croswell
Parks	W.R. Peck
Timber	W.A. Perrin
Scaling	A.J. Tracy

CHIEF RANGERS

Parry Sound	J.A. Shalla
Powassan	W.J. Barber
Bracebridge	R.J. Hall

DEPUTY CHIEF RANGERS

J.S. Booker, Dorset	M.J. Flaherty, Bracebridge
E.R. Brooks, Powassan	R.F. Kimberley, Loring
M.C. Kennedy, Byng Inlet	M. Salt, Ardbeg

PEMBROKE DISTRICT

OFFICE: 162 Agnes Street. Telephone 732-3661.

District Forester F. E. Sider

SUPERVISORS

Accounts	G. Bragg
Fish and Wildlife	H. E. Deedo
Biologist	M. L. Wilton
Forest Protection	J. K. K. Legris
Lands	J. Orme
Parks	J. E. Collard
Timber	C. R. Groves

CHIEF RANGERS

Pembroke	R. N. Cousineau
Whitney	H. W. Hanes
Stonecliffe	F. Mitchell

DEPUTY CHIEF RANGERS

J. H. Bingley, Stonecliffe	M. I. Mantifel, Round Lake
C. R. Buske, Pembroke	K. H. Moore, Whitney
W. D. Christie, Kiosk	D. F. Palubiski, Pembroke
M. L. Doney, Whitney	A. E. Prange, Pembroke
W. A. Lentz, Achray	R. P. Schroeder, Pembroke
J. T. Linklater, Whitney	

PORT ARTHUR DISTRICT

OFFICE: Forestry Building, 14 Algoma St. North.
Telephone 345-6543.

District Forester W. L. Sleeman

SUPERVISORS

Accounts	J. Chadwick
Fish and Wildlife	C. A. Elsey
Biologist	H. R. Timmerman
Forest Protection	F. M. Dodds
Lands	W. Jarvis
Parks	E. Diamond
Timber	E. M. Cressman
Scaling	J. W. E. Peden

CHIEF RANGERS

Port Arthur	S. O. Russell
Armstrong	J. A. Moore
Shebandowan	G. Murray

NURSERY

Fort William	R. J. Burgar
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DEPUTY CHIEF RANGERS

V. Hansen, Port Arthur	L. W. Reid, Upsala
P. Harkema, Shebandowan	N. J. Small, Fort William
K. D. Irving, Black Sturgeon	R. D. Killer, Armstrong
W. M. Pennock, Shebandowan	

SAULT STE. MARIE DISTRICT

OFFICE: Airdrome Building. Telephone 256-7461.

District Forester..... J.S. Ball

SUPERVISORS

Accounts	G.J. Murray
Fish and Wildlife	C.A. Lewis
Biologist	N.R. Payne
Forest Protection	G.A. McCormack
Lands	J.M. Small
Timber	L.H. Eckel
Parks	G. Connell
Scaling	M.V. Osborne

CHIEF RANGERS

Blind River	J.A. Huppe
Sault Ste. Marie	C. Tregonning
Lake Superior	E. Montgomery

DEPUTY CHIEF RANGERS

F.M. Beaton, Mount Lake	F.E. Senecal, Agawa
L.G. Bell, Pancake Bay	H.J. Stoneman, Elliott Lake
R.H. Gemmill, Sand Lake	J.J. Sargent, Elliott Lake
G.N. Gibson, Red Rock	L.E. St. Pierre, Blind River
G.R. Murray, Kirkwood	C.D. Vaughan, Peshu Lake
L.J. Pigeon, Sault Ste. Marie	A.R. McClelland, Ranger Lake

SIoux LOOKOUT DISTRICT

OFFICE: 38 Front Street. Telephone 740.

District Forester.....	W.G. Cleaveley
Assistant District Forester.....	J.E. Barnes

SUPERVISORS

Accounts	D. Munch
Fish and Wildlife	C.E. Perrie
Biologist	A.E. Armstrong
Forest Protection	E.W. Bouchey
Lands	S.N. Johnson
Timber	G.A. Ashenden
Scaling	E.L. Sullivan

CHIEF RANGERS

Pickle Lake	S.W. Hanson
Red Lake	D.R. Williams
Sioux Lookout	G.M. Fenelon
Ignace	F. Nicoll

DEPUTY CHIEF RANGERS

G.A. Baverstock, Sioux Lookout	J.S. Legace, Red Lake
G.W. Clark, Lake-of-Bays	J.W. Lyon, Lac Seul
R.E. Chornupski, Armstrong	A.H. Snow, Ear Falls
D.R. Hand, Ignace	S.A. Sprager,
I. Lawson, Pickle Lake	Marchingdon

SUDBURY DISTRICT

OFFICE: 172 Elm St. West. Telephone 674-3151.
(Direct line from Head Office)

District Forester G. A. Hamilton

SUPERVISORS

Accounts	G. Jennings
Fish and Wildlife	C. Bibby
Biologist	G.I. Gillespie
Forest Protection	L.G. Ridsdill
Lands	A.S. Currie
Timber	J.F. Flowers
Scaling	C.J. Munro

CHIEF RANGERS

Skead	V. Bragg
Espanola	E. Morin
Sudbury	W. Wetow

DEPUTY CHIEF RANGERS

E.A. Hansson, Massey	V.A. Penttinen, Skead
D.H. Kohls, Windy Lake	W. Piche, Espanola
K. Kukkonen, Penage Lake	A.T. Proulx, Skead
L.P. MacDonald, Jamot	G.R. VanHorn, Sudbury

SWASTIKA DISTRICT

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester J. D. Hughes

SUPERVISORS

Accounts	H. Michiel
Fish and Wildlife	D. Waldriff
Biologist	J.F. Gardner
Forest Protection	L.L. Bronson
Lands	J. McDougall
Parks	H. Mattson
Timber	A.H. Peacock
Scaling	F. Thib

CHIEF RANGERS

Elk Lake	G.L. Jones
Matheson	V.L. Wilson
Swastika.....	H. Stuart

NURSERY

Superintendent D. Jefferson

DEPUTY CHIEF RANGERS

W.E. Bond, Matachewan	W.A. Humphrey, Larder Lake
E.C. Borden, Swastika, West	M.C. Mitchell, Swastika, East
D.W. Butler, Elk Lake	A.A. Peever, Matheson
G. Cahill, Matheson	L.J. Wickware, Englehart

TWEED DISTRICT

OFFICE: Municipal Building, Metcalfe Street. Telephone 361.

District Forester J.M. Taylor

SUPERVISORS

Accounts	W.H. Porch
Fish and Wildlife	R.E. Whitfield
Biologist.....	W.F. Cheshire
Forest Protection	B.T. Dunne
Lands	A.E. Beach
Parks	W.H. Cantelon
Timber	J. Keenan
Scaling	W.J. Everett

CHIEF RANGERS

Dacre	M.D. Mulvihill
Bancroft.....	O. Goodman
Tweed.....	J.J. Shalla

DEPUTY CHIEF RANGERS

E.G. Card, Bancroft	D. Mumford, Tweed
H.E. Clark, White Lake	R.E. Sutherland, Bancroft
W. Gorr, Plevna	J.J. Windle, Dacre
J.I. McKenzie, Green Lake	L.H. Wright, Gilmour
R. Musclow, Palmer Rapids	

WHITE RIVER DISTRICT

OFFICE: White River. Telephone 186.

District Forester..... A. L. Dunne

SUPERVISORS

Accounts	W.C. Johnstone
Fish and Wildlife	E.A. Pozzo
Biologist.....	M.R. Wolfe
Forest Protection	W. Kitt
Lands and Parks	W.M. Mitchell
Timber	W.C. Stevens
Scaling	J. E. Hamilton

CHIEF RANGERS

Wawa	C. MacDonald
White River	V.E. Niemi

DEPUTY CHIEF RANGERS

B.T. Cannon, Manitouwadge	C.R. Petrosky, Wawa
J.B. Schreiber, Wawa	I. Rives, White River

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone 766-2242

Director	Q. E. Hess
Accounts	J. Palmer

INSTRUCTORS

E. Goodman
G. Pennock
W. P. Small
D. L. Lillow
J. E. Dickenson
V. B. Collins
J. D. Ryan
G. D. MacAdam

NEW POLICES

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director, October 1, 1957. He retired on September 15, 1964.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Acting Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

FISHERIES

K. H. LOFTUS

WILDLIFE

R. O. STANDFIELD

FORESTRY

D. H. BURTON

MECHANICS

M. H. BAKER

STATISTICS

T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

Wood quality studies were started in 1962 to gain an understanding of the specific physical and chemical qualities of commercially important tree species.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

A new project was begun in 1962 to co-ordinate limnological research and collect data which are specifically related to studies on the fluctuations in year-class strengths of commercial and game fish.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife—mainly forest damage caused by deer, rodents and hares.

NEW POLICIES

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J. A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

TIMBER BRANCH

Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R. W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

SILVICULTURE SECTION

Supervisor: A. J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: J. W. Giles

Sales, Licensing
Stumpage Appraisal
Scaling

Special Projects

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904.

The nursery was moved to St. Williams in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands, Forests and Mines.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for the Forestry Branch in 1926. He was Chief of Reforestation Division from 1941 until he was succeeded by G.H. U. Bayly on March 1st, 1953. Mr. Bayly retained this office until he was appointed Assistant Deputy Minister when the Department was re-organized in 1957.

Reforestation Section administers the collection of tree seed, the processing and planting of seed, nursery production, the distribution of nursery stock to the public, and the supply of trees for planting on Crown lands and Agreement Forest lands. It is carrying out a programme to improve the quality of seeds and seedlings. In the reforestation programme, it administers agreements made between the Minister and Corporations such as Authorities, Counties and Townships.

The Section allocates monies appropriated by the Legislature to conservation authorities and municipalities to assist them in the acquisition of lands that are suitable for forestry purposes and that are managed under agreement with the Department.

The Section has recently expanded the Private Land Forestry programme which includes technical assistance and advice to private landowners to encourage the growth and management of wood-lots.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1964

SEED PLANTS	YEAR ESTABLISHED
Angus	1923
St. Williams	1908

FOREST STATIONS

Chapleau	1956
Dryden	1958
*Fort William	1946
Gogama	1956
*Kemptville	1946
*Midhurst	1922
*Orono	1922
Sault Ste. Marie	1956
*St. Williams	1908
Swastika	1958
White River	1956

DISPOSITION OF NURSERY STOCK

In year ended March 31st, 1964

Planted on Crown Lands	30,754,175
Planted in Forests Managed by the Minister	3,998,065
Supplied to Owners of Private Lands	9,016,400
Education and Scientific Purposes	21,739
Miscellany, Departmental Exhibits, etc.	132,306
TOTAL	43,922,685

*Demonstration forests. All forest stations include tree nurseries.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1926	4,433,409
1926-1927	7,104,319
1927-1928	11,138,985
1928-1929	12,789,568
1929-1930	11,175,894
1930-1931	11,846,920
1931-1932	10,303,569
1932-1933	9,422,463
1933-1934	9,760,730
1934-1935	10,663,155
1935-1936	10,109,772
1936-1937	11,261,644
1937-1938	12,339,993
1938-1939	16,921,906
1939-1940	17,266,697
1940-1941	13,511,299
1941-1942	11,303,187
1942-1943	10,522,917
1943-1944	10,999,379
1944-1945	11,280,981
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28,351,483
1956-1957	31,081,112
1957-1958	25,854,262
1958-1959	33,414,110
1959-1960	41,682,125
1960-1961	49,833,412
1961-1962	43,194,863
1962-1963	43,767,916
1963-1964	43,922,685
TOTAL	749,019,086

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

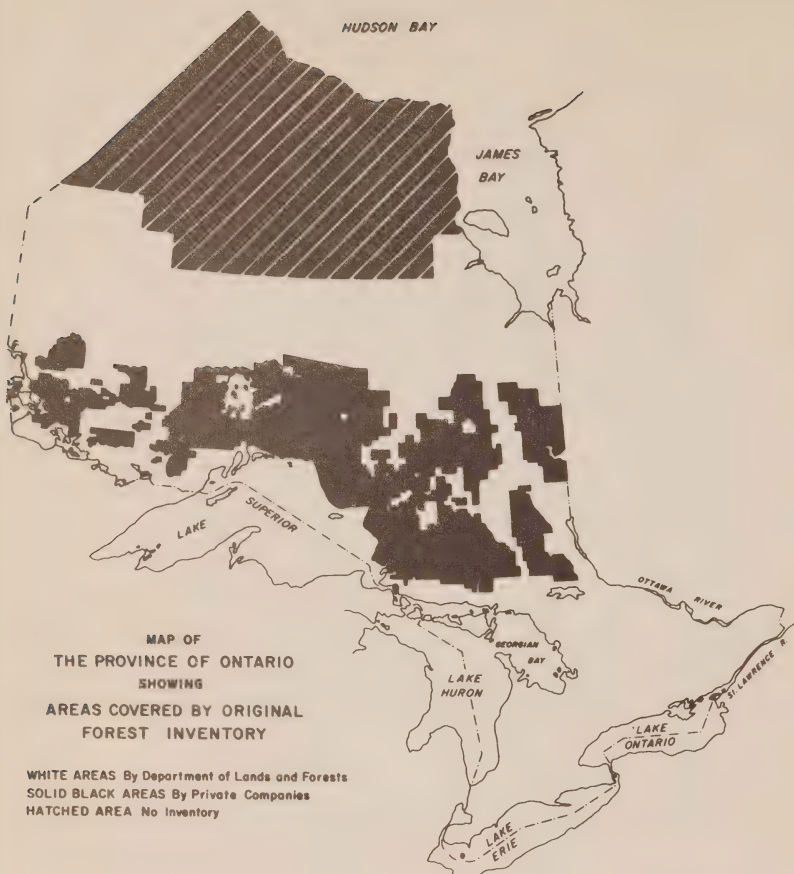
COUNTY OR DISTRICT	1959	1960	1961	1962	1963	1964	1954-64
Algonia.....	387,525	426,425	281,950	221,525	266,075	229,525	2,916,900
Brant.....	120,350	161,450	140,425	130,050	99,650	93,350	1,483,275
Bruce.....	165,675	143,050	156,400	148,575	94,800	97,025	1,481,565
Carleton.....	180,500	148,275	145,125	290,925	223,750	215,850	1,737,650
Cochrane.....	8,200	17,800	54,550	59,350	60,450	3,500	231,650
Dufferin.....	784,725	471,000	877,600	425,725	430,525	353,125	6,574,750
Dundas.....	24,050	52,925	86,425	58,875	39,600	56,825	475,350
Durham.....	692,400	729,450	544,475	257,675	240,750	394,400	8,061,175
Elgin.....	117,275	146,875	220,425	96,225	135,450	130,750	1,594,850
Essex.....	44,500	73,300	56,325	26,300	38,525	36,225	444,200
Frontenac.....	117,925	171,025	138,200	146,325	128,950	107,575	1,117,900
Glengarry.....	86,675	43,400	78,900	75,525	61,775	26,175	438,025
Grenville.....	79,550	133,925	217,575	189,800	169,000	135,050	1,218,925
Grey.....	695,150	753,825	710,825	365,625	352,675	260,550	5,615,005
Haldimand.....	50,425	84,925	111,625	106,725	58,075	76,375	685,250
Haliburton.....	166,200	147,300	119,050	139,450	114,950	122,925	1,420,150
Halton.....	209,175	200,200	241,125	148,625	153,150	146,900	2,110,500
Hastings.....	327,725	446,000	433,125	305,900	389,750	251,400	3,605,375
Huron.....	256,850	250,750	276,025	201,250	205,950	190,800	2,529,995
Kenora.....	12,950	8,625	13,975	34,850	42,950	48,175	219,925
Kent.....	108,600	105,825	75,650	49,675	33,875	30,550	833,550
Lambton.....	111,000	161,375	134,175	134,225	96,075	78,875	1,296,750
Lanark.....	203,800	212,825	179,625	125,400	146,225	121,625	1,649,750
Leeds.....	74,050	93,900	123,050	105,250	73,400	71,575	751,900
Lennox & Addington...	120,750	172,325	92,825	96,325	107,975	59,125	989,850

Lincoln.....	71,900	57,025	28,925	79,150	53,050	31,900	510,725
Manitoulin.....	59,700	61,325	50,375	68,600	29,600	21,625	1,091,300
Middlesex.....	174,450	147,100	301,125	494,425	287,625	265,275	2,428,700
Muskoka.....	422,375	483,475	288,150	271,775	199,850	201,825	4,321,000
Nipissing.....	139,800	149,250	91,175	90,975	59,725	84,550	1,382,500
Norfolk.....	282,775	312,200	317,125	289,150	273,050	249,325	2,780,275
Northumberland.....	279,650	317,650	255,550	354,675	131,900	96,425	3,072,550
Ontario.....	548,225	675,075	652,550	468,675	459,625	342,325	5,421,000
Oxford.....	179,450	146,925	119,625	146,750	101,125	96,900	1,460,175
Parry Sound.....	722,275	556,375	450,600	339,300	280,225	235,850	6,226,125
Peel.....	510,475	353,275	414,050	602,925	503,725	376,850	4,203,225
Perth.....	81,850	157,150	53,550	46,625	64,000	40,750	844,525
Peterborough.....	196,690	162,725	123,700	128,675	120,700	142,175	1,877,665
Prescott.....	93,300	75,500	747,025	221,025	170,425	63,300	1,596,025
Prince Edward.....	18,600	21,350	51,525	37,325	24,075	14,525	244,850
Rainy River.....	154,925	179,700	140,425	146,000	92,800	71,350	850,200
Renfrew.....	346,875	386,675	389,875	458,150	391,550	288,550	3,462,900
Russell.....	38,825	150,400	165,875	78,700	5,200	108,250	688,850
Simcoe.....	1,312,420	1,444,225	1,085,925	821,350	616,525	700,325	13,657,720
Stormont.....	19,250	29,800	115,225	51,375	91,600	56,575	426,900
Sudbury.....	182,200	111,425	169,700	121,875	134,775	190,325	1,174,925
Thunder Bay.....	240,200	254,850	271,075	315,975	188,750	184,550	2,176,800
Timiskaming.....	9,300	23,450	17,700	28,075	14,600	19,175	257,350
Victoria.....	130,075	168,175	129,800	138,450	135,600	112,400	1,843,450
Waterloo.....	258,825	248,525	176,975	181,650	201,200	150,625	2,176,800
Welland.....	131,350	138,550	134,175	227,275	205,975	259,500	1,538,850
Wellington.....	339,550	525,100	224,800	299,850	197,650	442,800	4,050,700
Wentworth.....	263,925	348,650	315,700	257,825	205,350	216,675	2,662,225
York.....	638,005	785,325	916,300	799,000	592,675	613,450	6,878,805
TOTAL.....	12,986,865	13,809,125	13,708,050	11,505,775	9,597,300	9,016,400	128,381,230

FOREST AREAS MANAGED BY THE MINISTER

COUNTY	Date of Agreement	Acreage March 31st 1964
Brant	15 Nov., 1952	50.00
Bruce	20 Jan., 1950	15,153.35
Dufferin	26 Nov., 1930	2,305.00
Grey	21 Dec., 1937	8,178.08
Halton	14 Mar., 1950	1,245.63
Huron	27 Nov., 1950	1,439.00
Kent	23 Dec., 1953	75.39
Lanark	5 July, 1940	3,346.00
Leeds & Grenville	24 April, 1940	6,064.50
Lennox & Addington	3 April, 1952	1,186.00
Middlesex	8 Mar., 1954	1,019.50
Northumberland & Durham	10 June, 1954	4,877.00
Ontario	9 July, 1930	2,000.00
Oxford	1 Sept., 1950	716.56
Prescott & Russell	15 Mar., 1937	23,485.83
Renfrew	26 Dec., 1951	4,432.00
Simcoe	19 June, 1925	18,704.047
Stormont, Dundas & Glengarry	20 Sept., 1949	2,048.45
Victoria	10 Aug., 1928	7,044.00
Waterloo	17 April, 1950	710.48
Wentworth	27 Nov., 1952	889.30
York	27 Mar., 1924	3,917.08
Sub-Total		108,887.197
TOWNSHIP		
Bonfield	1 April, 1952	60.00
Charlottenburgh	1 April, 1955	175.00
Cramahe	14 Jan., 1964	162.00
Cumberland	29 May, 1952	808.44
Galway and Cavendish	1 Nov., 1952	100.00
Machar	30 Dec., 1963	90.00
Marlborough	21 Nov., 1953	200.00
Torbolton	28 Mar., 1953	430.80
Williamsburg	19 Oct., 1962	400.00
Sub-Total		2,426.24
CONSERVATION AUTHORITY		
Ausable River	13 Dec., 1951	4,249.00
Big Creek Region	2 Dec., 1954	2,638.90
Catfish Creek	19 Dec., 1962	401.00
Central Lake Ontario	24 Sept., 1963	145.00
Crowe Valley	21 Aug., 1963	200.00
Ganaraska River	31 Jan., 1947	7,978.60
Grand Valley	18 Mar., 1952	5,283.06
Metropolitan Toronto & Region	11 April, 1951	1,878.00
Middle Maitland Valley	1 April, 1955	949.00
Molra River	28 Nov., 1951	12,575.00
Napanee Valley	28 Oct., 1954	6,145.00
Neebing Valley	15 May, 1958	1,256.70
Niagara Peninsula	5 June, 1963	186.00
North Grey Region	25 June, 1958	4,838.00
Otonabee Region	15 May, 1963	800.00
Otter Creek	26 April, 1957	1,260.00
Sauble Valley	23 Sept., 1959	1,918.00
Saugeen Valley	15 Dec., 1952	10,529.00
South Nation River	28 Mar., 1960	226.50
Spencer Creek	19 Oct., 1962	12.50
Upper Thames River	11 April, 1951	3,344.36
Sub-Total		66,813.62
TOTAL		178,127.057

NEW POLICES

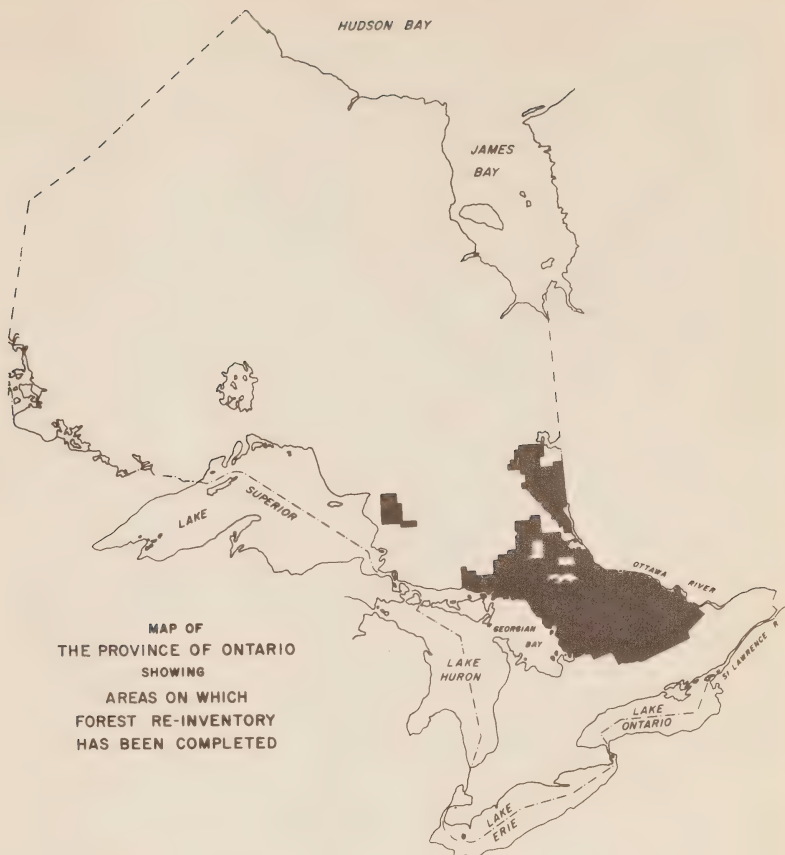


SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

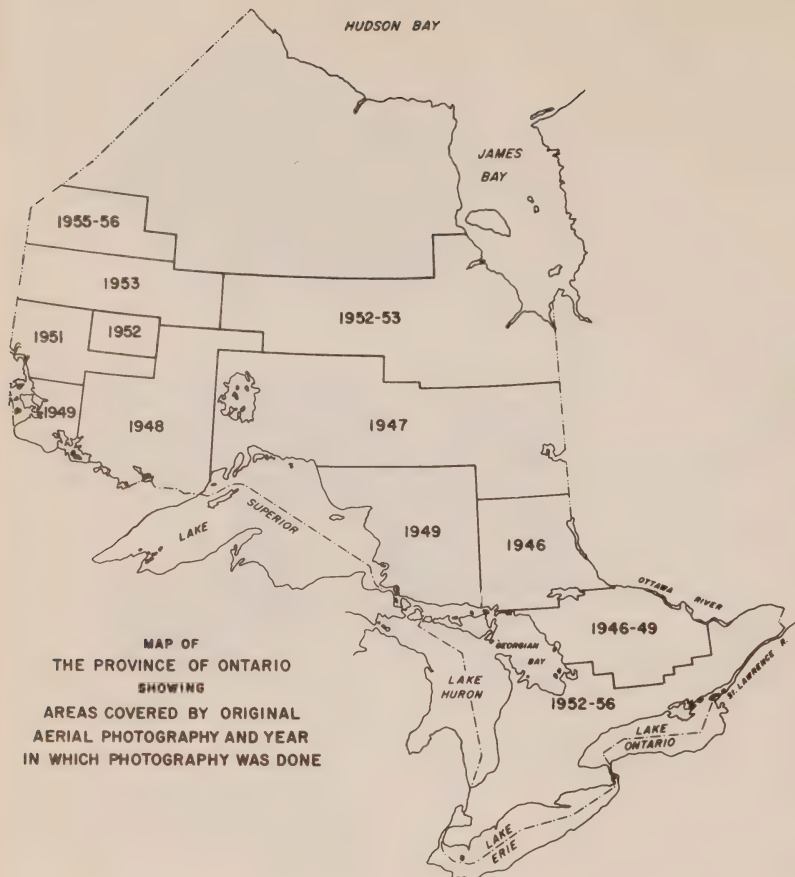
The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.



The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By the end of 1964 approximately 124,600 square miles had been rephotographed. Detailed forest stand data have been obtained on 30,954 square miles.

With accurate forest data for Crown Management Units, it is possible to prepare plans for the organization and orderly utilization of the forest - a more intensive level of management than previously was possible. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in ten-, and twenty-year periods, a licensee can be shown and assured of his future wood supplies.



The plans of Company Management Units are prepared by the company from its own data. The Department checks the area and volume calculations and, when satisfied, recommends the acceptance of the plans.

The program of tree planting, seeding, and stand improvement is to maintain the productivity of Crown lands. Thus, a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

The silviculture program includes tree planting, direct seeding (both from air rising helicopters and on the ground, using various seeding devices), thinning of young stands, pruning selected crop trees, girdling or poisoning of unwanted trees, and aerial spraying of stands to release young trees.



MANAGEMENT UNITS as of March 31st

Year	Company	Crown	Total
1954	36	87	123
1955	36	81	117
1956	39	82	121
1957	41	80	121
1958	43	81	124
1959	48	77	125
1960	101	72	173
1961	79	76	155
1962	79	78	157
1963	77	79	156
1964	75	81	156

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

Operations	1957	1958	1959	1960	1961	1962	1963	1964
Scarification and other site preparation.....	8,709	6,704	9,000	8,824	4,247	1,035	2,307	3,802
Scarification with cone scattering or seeding...	.....	.....	.....	.....	.....	2,263	1,211	3,203
Cleaning and clearing...	3,254	6,980	2,507	1,745	5,208	12,053	6,768	9,581
Brush Control.....	1,038	4,057	8,562	179	39	3,906	2,595	6,165
Prescribed Burning.....	.....	.....	.....	.....	.....	.....	66	97
Thinning.....	785	2,225	550	225	1,158	583	2,286	1,973
Pruning.....	.....	.....	.....	76	4,080	4,870	3,111	3,088
Xmas Tree Culture.....	.....	.....	.....	.....	706	509	Discontinued	
Improvement Cutting.....	1,776	1,510	.....	.....	2,525	2,810	1,496	352
Girdling, Frilling and Poisoning.....	.....	.....	.....	772	2,912	2,754	3,182	6,655
Tree Marking.....	2,630	.....	.....	.....	3,328	.....	7,465	31
Harvest Cutting.....	.....	.....	.....	406	425	1,498	1,824	923
Deer Yard Improvement...	.....	.....	.....	.....	.....	.....	.....	664
TOTAL.....	18,192	21,476	20,619	12,227	24,628	32,281	32,311	36,534

TREES PLANTED ON CROWN LANDS

in years ending March 31st

DISTRICT	1959	1960	1961	1962	1963	1964	1954-64
Aylmer.....	828,616	70,598	97,633	104,458	145,362	208,345	1,842,082
Chapleau.....	1,751,000	3,037,004	3,568,850	2,691,500	3,538,120	3,401,050	20,480,264
Cochrane.....	1,028,400	1,176,842	2,077,248	1,547,250	1,786,000	1,830,000	11,704,095
Fort Frances.....	675,715	555,939	993,000	418,946	1,204,100	1,201,300	6,362,600
Geraldton.....	623,015	1,112,500	1,816,450	1,144,650	1,851,785	3,024,070	10,200,775
Gorham.....	1,000,250	2,875,000	3,283,400	3,695,525	4,210,925	3,818,975	16,619,372
Hepler.....	19,460	7,015	53,950	15,025	51,000	18,500	349,335
Kapuskasing.....	884,100	1,237,600	1,308,759	1,214,400	1,216,275	1,443,500	8,820,059
Kemptville.....	54,505	104,967	170,077	114,406	73,295	58,040	918,018
Kenora.....	383,760	453,800	518,612	479,206	369,900	1,080,600	3,974,128
Lindsay.....	500,000	694,397	829,392	606,987	489,700	542,090	6,118,370
Maple.....	510,813	468,273	504,163	580,445	263,293	168,067	3,984,470
North Bay.....	322,077	703,111	1,051,694	828,806	643,000	849,000	5,330,703
Parry Sound.....	918,200	908,050	1,142,080	599,111	545,165	364,948	8,469,312
Pembroke.....	991,948	771,835	1,139,875	1,260,236	1,207,022	1,374,600	10,658,381
Port Arthur.....	796,700	953,600	1,960,575	1,702,275	1,491,800	2,015,000	11,222,674
Sault Ste. Marie..	1,747,117	2,760,000	3,534,145	3,682,390	3,828,956	3,402,885	23,156,180
Sioux Lookout....	150,000	225,796	300,000	211,700	141,200	250,400	1,582,346
Sudbury.....	533,415	1,643,147	2,374,314	1,840,889	1,890,525	1,759,337	11,063,413
Swastika.....	991,110	1,402,721	1,925,343	2,124,903	2,246,795	1,633,068	12,616,595
Tweed.....	882,000	1,075,653	1,268,600	938,010	912,000	1,356,050	9,002,122
White River.....	455,000	1,130,000	1,575,125	699,050	905,500	954,350	6,045,835
Toronto.....	23,997	.....	.....	.....	.....	.....	29,860
Ranger School....	9,500	23,000	.....	.....	.....	.....	66,100
Unclassified.....	.....	57,270	71,323	102,552	79,303	.....	310,448
TOTAL.....	16,080,698	23,448,118	31,564,608	26,602,720	29,091,021	30,754,175	193,927,517
Acres Planted.....	.....	43,137	54,875	.....	52,384	63,507	.....

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

CONSERVATION AUTHORITY	1959	1960	1961	1962	1963	1964	1954-64
Ausable River.....	93,000	284,200	254,360	270,500	442,500	135,550	1,914,635
Big Creek Region.....	14,000	25,800	22,600	23,500	115,300	29,125	385,400
Catfish Creek.....	.....	.....	.....	.....	32,500	46,000	78,500
Central Lake Ontario..	.....	.....	.....	.....	69,000	14,000	83,000
Ganaraska River.....	190,250	257,950	376,500	273,500	343,000	127,500	2,637,750
Grand Valley.....	388,600	230,950	502,250	392,400	250,300	101,600	2,395,350
Metro Toronto & Region	73,000	22,000	139,750	120,300	67,000	51,100	887,225
Middle Maitland.....	14,000	20,000	62,500	13,000	8,400	.....	181,405
Moirs River.....	100,000	96,200	175,200	242,500	217,000	307,000	1,248,450
Napanee Valley.....	.....	.....	.....	.....	30,000	.....	50,000
Neebing Valley.....	1,500	11,500	60,000	80,000	40,000	.....	193,000
North Grey Region.....	75,000	94,800	169,000	214,700	172,170	95,325	820,995
Otter Creek.....	.....	3,200	13,000	6,000	1,000	.....	23,200
Sable Valley.....	.....	.....	94,000	9,000	.....	11,500	114,500
Saugeen Valley.....	287,600	200,300	137,500	423,600	115,850	185,050	1,993,850
South Nation River....	.....	.....	.....	125,000	21,000	16,000	162,000
Upper Thames River....	71,850	21,600	20,600	70,100	40,000	36,500	655,000
SUB-TOTAL.....	1,308,800	1,268,500	2,027,260	2,263,900	1,965,020	1,156,250	14,023,860
TOWNSHIP							
Bonfield.....	.....	.....	.....	.....	.....	.....	.....
Chapple.....	10,175	41,200	.....	.....	.....	.....	51,375
Charlottenburgh.....	.....	.....	25,000	.....	.....	.....	35,250
Cumberland.....	.....	.....	.....	.....	.....	.....	104,000
Emo.....	9,725	.....	.....	.....	.....	.....	9,725
Galway, Cavendish....	.....	18,775	12,025	.....	.....	.....	95,775
Marlborough.....	.....	27,000	4,475	17,000	90,550	10,000	411,825
Torbolton.....	10,000	50,500	.....	50,500	62,000	.....	494,125
Williamsburgh.....	.....	.....	.....	.....	.....	100,000	100,000
SUB-TOTAL.....	29,900	137,475	41,500	67,500	152,550	110,000	1,284,100
National Capital Commission.....	.....	.....	.....	150,000	721,080	658,950	1,530,030

COUNTY

Brant.....	.....	.....	.....	.....	.....	500	.....	.....	11,950
Bruce.....	70,700	87,000	99,000	140,700	19,500	35,000	.....	.....	1,055,050
Dufferin.....	10,000	33,500	1,500	3,000	12,600	8,000	.....	.....	90,100
Grey.....	184,200	182,799	40,500	213,300	69,480	45,300	.....	.....	1,620,729
Halton.....	14,000	26,500	4,500	38,700	21,650	1,800	.....	.....	212,400
Huron.....	114,100	72,000	85,700	88,510	31,100	98,500	.....	.....	630,430
Kent.....	.....	.....	.....	.....	.....	.....	.....	.....	26,200
Lanark.....	.....	.....	171,000	34,350	118,750	78,000	.....	.....	496,775
Leeds & Grenville...	225,300	336,000	102,000	146,700	152,000	185,000	.....	.....	1,971,150
Lennox & Addington...	.....	.....	12,800	20,500	114,000	.....	.....	.....	276,000
Middlesex.....	48,000	19,350	8,000	20,500	30,500	8,000	.....	.....	212,800
Northumberland and Durham.....	96,750	61,050	94,500	136,200	172,000	147,500	.....	.....	84,775
Ontario.....	9,000	84,500	12,000	100,600	3,500	8,000	.....	.....	273,100
Oxford.....	8,000	27,000	44,000	25,100	10,000	.....	.....	.....	184,350
Prescott & Russell...	1,132,590	1,093,930	767,600	239,500	315,800	405,365	.....	.....	8,611,826
Renfrew.....	18,000	.....	40,000	380,000	283,000	340,000	.....	.....	1,136,400
Simcoe.....	499,200	345,500	193,500	433,000	349,400	540,200	.....	.....	3,753,100
Stormont, Dundas and Glengarry.....	.....	66,000	105,000	196,500	78,000	93,650	.....	.....	922,875
Victoria.....	193,000	138,225	85,475	219,250	185,000	64,750	.....	.....	1,108,547
Waterloo.....	19,500	95,000	.....	7,250	11,500	4,500	.....	.....	345,350
Wentworth.....	127,600	55,700	12,000	12,000	2,500	597,400
York.....	1,000	18,500	74,250	126,800	38,500	6,800	546,750
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SUB-TOTAL.....	2,770,940	2,708,154	1,997,025	2,582,460	2,028,780	2,072,865	25,456,120
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TOTAL.....	4,109,640	4,114,129	4,065,785	5,063,860	4,867,430	3,998,065	42,294,110
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Total Number of Trees Planted by Department	20,190,338	27,562,247	35,630,393	31,666,580	33,958,451	34,752,240	236,221,627

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Sales are carried out under three types of licences:

- (1) "District Cutting Licences" - small short-term sales which are administered entirely within a particular District.
- (2) "Licences to Cut Crown Timber" - this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to Cut Crown Timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

Timber Section is responsible for the issuance of licences to scalers (who have successfully passed an examination) to measure Crown timber and make scale returns for the collection of Crown Stumpage changes.

Timber Section compiles statistics on the production of forest products from Crown land by species. It maintains a directory of the primary wood-using industries in Ontario. Through District offices, it receives a return of the volume of forest products produced by each mill.

Other specific duties include the preparation of reports on the opportunities for additional forest industry in certain localities in co-operation with other Provincial Departments and the Federal Government.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
SOFTWOODS										
Balsam.....	15,146	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14,093
Cedar.....	77	139	180	126	127	96	234	197	97	738
Hemlock.....	5,462	5,731	5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872
Jack Pine.....	62,712	78,964	85,545	81,862	58,175	85,604	108,859	81,644	75,488	81,779
R and W Pine..	30,550	25,614	26,315	30,459	25,586	30,605	34,334	34,562	27,612	30,528
Spruce.....	193,286	188,645	208,678	174,652	134,310	207,318	251,831	155,873	163,447	175,666
Tamarack.....	7	4	7	16	10	7	10	12	16	25
Fuelwood.....	944	1,185	1,951	1,546	719	673	4,677	3,396	2,354	3,001
Others.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	22
HARDWOODS										
Birch.....	3,214	4,092	4,764	5,541	6,303	6,679	7,892	8,623	8,589	7,506
Maple.....	1,527	1,797	2,053	2,499	1,976	2,361	3,592	3,043	2,207	2,265
Poplar.....	6,087	14,190	11,576	13,653	6,036	12,478	22,049	14,272	15,756	12,955
Fuelwood.....	836	1,020	1,652	1,054	1,166	568	1,530	1,577	1,293	1,802
Others.....	964	580	1,755	1,061	1,148	1,145	1,335	968	691	552
TOTALS										
Softwoods.....	308,184	311,845	342,951	308,761	234,098	343,530	424,936	293,352	286,605	309,724
Hardwoods.....	12,628	21,679	21,780	23,807	16,628	23,231	36,398	28,483	28,536	25,081
All Species...	320,812	333,524	364,751	332,568	250,727	366,761	461,334	321,835	315,141	334,806
Total Value... (\$000's export levy not included)	.....	.....	.....	.....	.....	.....	.....	10,428	10,756	11,473

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

SPECIES	1956	1957	1958	1959	1960	1961	1962	1963
SOFTWOODS								
Balsam.....	14,374	13,766	12,213	10,988	13,051	4,766	12,316	11,174
Cedar.....	459	284	711	280	268	331	341	105
Hemlock.....	5,321	5,050	2,567	3,046	3,768	2,780	2,429	1,841
Jack Pine.....	86,664	99,997	78,225	68,415	78,243	76,857	70,903	78,485
Red Pine.....	8,070	6,150	4,989	3,581	6,188	5,037	5,291	6,029
White Pine.....	25,609	26,171	20,249	18,025	22,300	19,150	17,606	21,930
Spruce.....	205,320	207,392	180,006	157,544	186,920	191,047	178,063	182,327
Tamarack.....	102	56	64	25	26	75	36	39
Xmas Trees.....	32	22	8	11	3	1	1	1
Fuelwood.....	2,401	2,536	2,359	2,338	1,525	1,476	905	827
HARDWOODS								
Ash.....	42	46	72	63	83	109	65	100
Basswood.....	434	295	274	319	365	469	359	434
Beech.....	138	160	136	131	273	385	175	278
White Birch....	447	1,314	1,458	1,339	1,426	1,784	1,754	2,295
Yellow Birch..	6,990	6,312	7,173	6,165	7,397	6,972	6,925	8,822
Butternut.....	...	½	¼	¾	1	2	2	2
Cherry.....	14	18	12	15	27	26	20	18
Elm.....	194	160	192	196	256	261	274	286
Maple.....	4,441	3,989	4,261	3,639	4,851	5,787	5,212	6,537
Oak.....	103	109	133	127	177	239	207	276
Poplar.....	16,921	19,244	20,205	17,729	19,773	18,356	21,256	22,907
Fuelwood.....	1,813	1,982	1,532	1,630	1,219	1,202	1,186	1,137
TOTALS								
Softwoods.....	348,352	361,424	301,390	264,253	312,292	311,519	287,894	302,758
Hardwoods.....	31,536	33,630	35,448	31,355	35,847	35,593	37,707	43,092
All Species...	379,888	395,054	336,838	295,608	348,140	347,112	325,601	345,850
Total Value...	12,039	13,363	11,412	10,155	11,824	12,048	11,229	12,057
(\$000's, export levy not included)								

TIMBER CUT IN DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1963

DISTRICT	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulp- wood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Value
Chapleau.....	127	1,835	9,572	11	8,384	92	...	19,893	...	\$ 475	\$ 76	\$ 551
Cochrane.....	539	1,682	3,006	35	29,162	251	373	34,509	198	1,017	192	1,209
Fort Frances....	213	2,543	576	19	11,856	31	6	15,031	100	376	72	448
Geraldton.....	147	.....	3,340	80	52,303	115	527	56,366	500	1,483	105	1,588
Gogama.....	42	3,892	1,175	25	3,197	29	179	8,498	...	208	43	251
Kapuskasing.....	872	.....	7,914	21	35,025	184	325	43,469	...	1,338	295	1,633
Kenora.....	418	99	619	161	27,898	22	7	28,806	50	830	136	966
Lindsay.....	40	2,100	...	1	157	10	4	2,272	...	50	41	91
Maple.....	7	9	...	..	...	7	..	17	...	...	2	2
North Bay.....	331	12,522	...	40	3,862	73	218	16,716	...	376	381	756
Parry Sound.....	309	3,622	35	61	743	317	2	4,781	...	104	119	223
Pembroke.....	79	8,508	...	451	1,926	50	...	10,936	...	263	284	547
Port Arthur.....	367	238	1,797	123	28,309	35	425	30,927	51	910	168	1,078
Sault Ste. Marie	116	13,617	9	76	1,466	54	7	15,230	...	402	382	784
Sioux Lookout...	191	4,284	759	128	11,916	124	398	17,809	...	477	62	538
Sudbury.....	284	1,132	1,451	15	5,322	146	2	8,068	...	189	63	253
Swastika.....	356	4,425	4,026	10	4,567	166	640	13,833	...	322	163	484
Tweed.....	185	3,152	4,202	9	1,574	36	8	4,784	233	87	113	200
White River.....	41	16	4,037	1	9,756	21	74	13,906	...	396	94	490

* Includes piling, poles, dimension timber.

† Number of trees.

(d) Includes Doyle Scale.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Year	Permits Issued	Ontario Scale	Sawlogs	*Boom Timber	Pulpwood	Fuel Wood	(d) Misc.	Total Volume	†Xmas Trees	Dues	Bonus	Stumpage Value
1954	.....	46,025	12,119	851	225,659	3,647	26,840	315,141	27	\$8,581	\$2,175	\$10,756
1955	.....	61,493	12,029	2,378	245,988	4,804	8,114	334,806	43	9,135	2,523	11,658
1956	5,403	77,087	33,326	2,259	262,146	4,214	826	379,888	64	9,619	2,573	12,191
1957	5,192	73,986	22,967	2,781	289,985	4,517	858	395,054	45	10,740	2,774	13,514
1958	5,051	55,938	27,762	2,796	245,161	3,891	1,290	336,838	16	8,987	2,578	11,565
1959	5,421	51,470	28,687	2,644	207,003	3,968	1,836	295,608	23	7,950	2,346	10,297
1960	5,096	64,571	28,795	3,499	246,493	2,744	2,038	348,140	6	9,493	2,789	12,282
1961	5,114	55,521	52,303	2,720	232,744	2,678	1,146	347,112	2	9,509	2,674	12,182
1962	4,534	56,558	30,001	1,474	233,782	2,091	1,695	325,601	1	8,775	2,522	11,297
1963	4,664	63,678	38,321	1,267	237,423	1,965	3,195	345,850	1	9,302	2,790	12,091

*Includes piling, poles, dimension timber.

† Number of trees in 000's.

(d) Includes Doyle Scale.

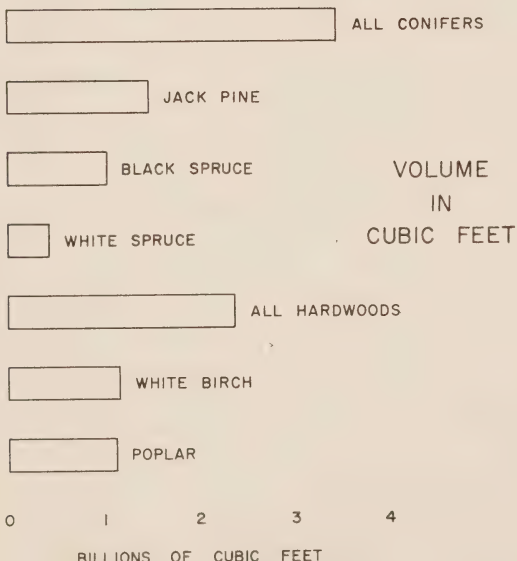
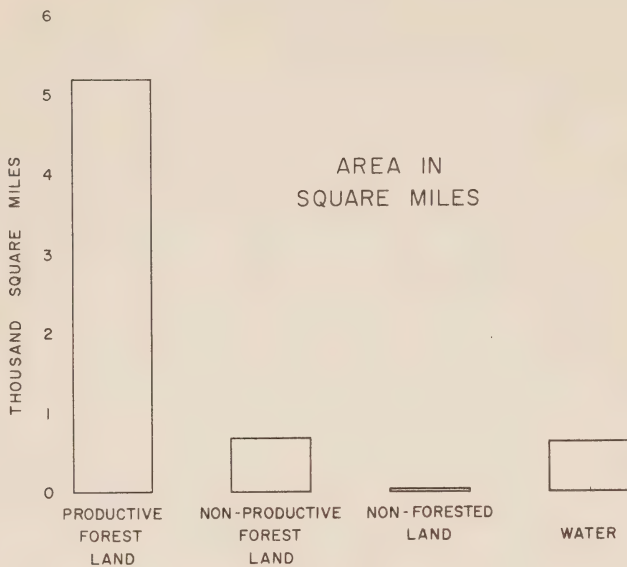
TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955	731	6,435.50	85,075.40	21.10	91,532.00
1956	748	6,140.05	88,273.71	170.26	94,585.02
1957	604	5,600.65	89,952.49	200.94	95,754.08
1958	586	5,354.80	98,149.46	181.33	103,685.59
1959	569	4,520.62	99,612.16	199.90	104,332.68
1960	573	4,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102,888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581	3,102.08	97,830.82	152.36	101,085.26
1964	562	2,556.89	99,679.49	18.20	102,254.58

MILLS LICENSED as of March 31st

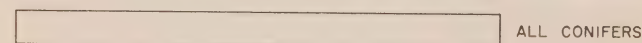
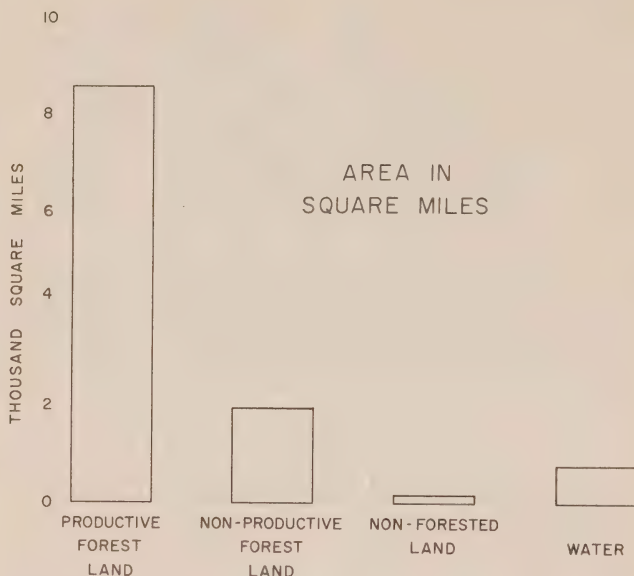
Year	Saw Mills (Daily Capacity in 000's fbm)				Ven- eer	Spec- ialty	Total
	to 10	10-50	50 up	Pulp			
1955	1,120	159	58	29	..	..	1,366
1956	1,115	162	59	29	..	..	1,365
1957	1,120	160	57	29	..	..	1,366
1958	1,124	158	57	29	..	..	1,368
1959	1,120	135	54	29	..	..	1,338
1960	646	129	23	24	..	..	822
1961	668	121	27	24	..	..	840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002

CHAPLEAU DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 12

COCHRANE DISTRICT



JACK PINE

VOLUME
IN
CUBIC FEET

WHITE SPRUCE

BLACK SPRUCE

BALSAM FIR

ALL HARDWOODS

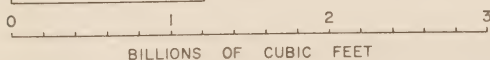
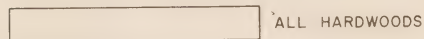
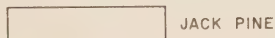
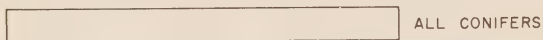
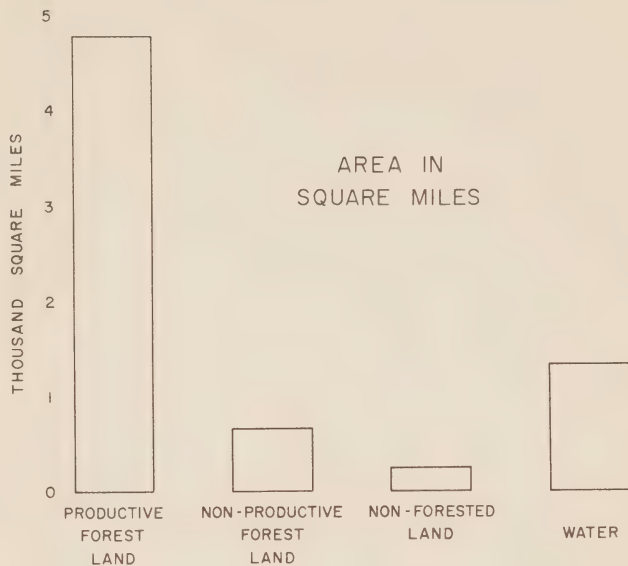
WHITE BIRCH

POPLAR

0 2 4 6
BILLIONS OF CUBIC FEET

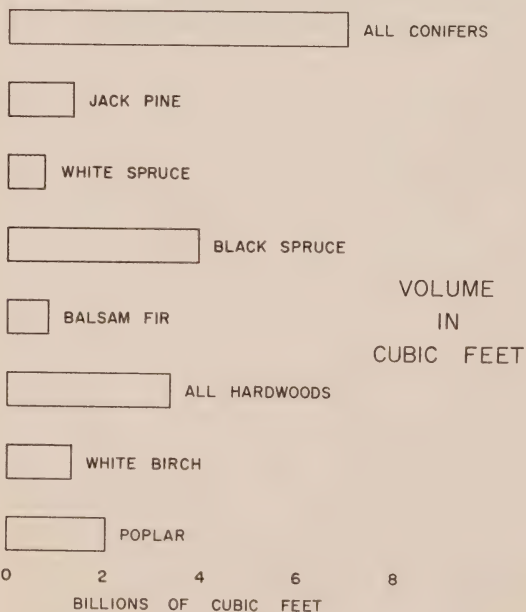
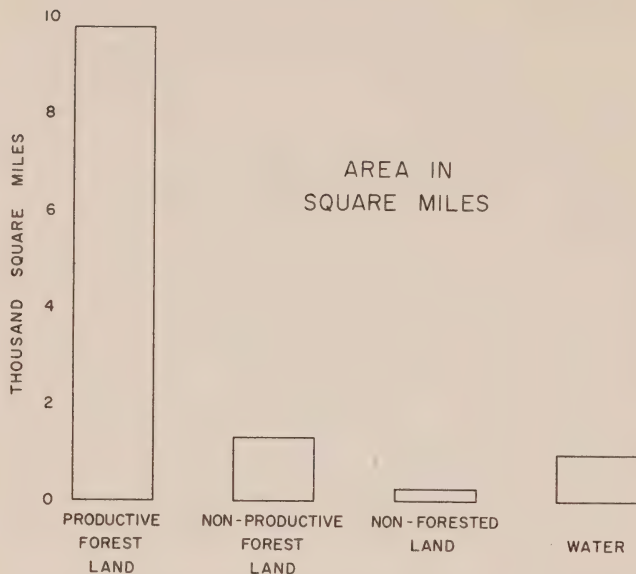
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 3

FORT FRANCES DISTRICT



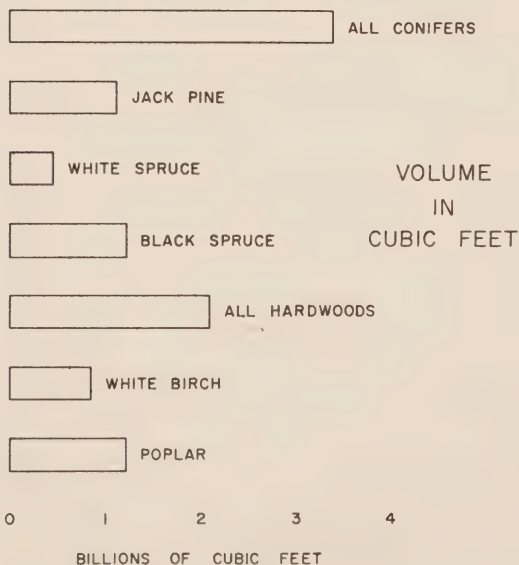
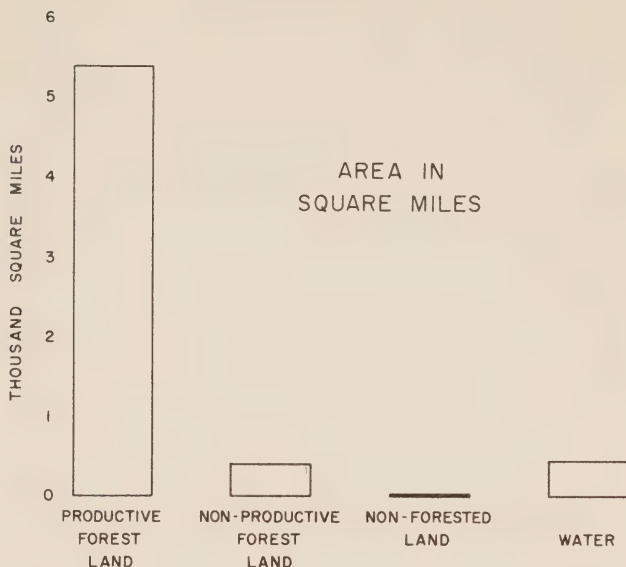
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GERALDTON DISTRICT



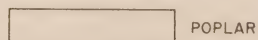
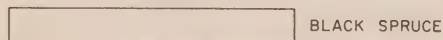
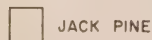
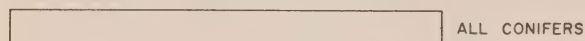
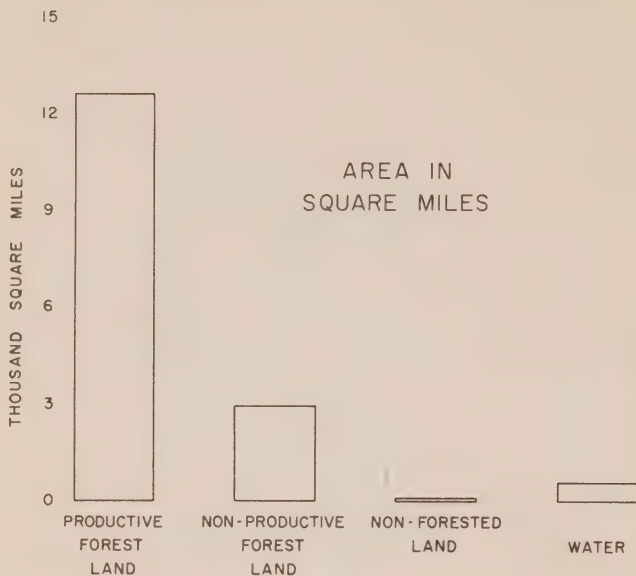
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GOGAMA DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No.13

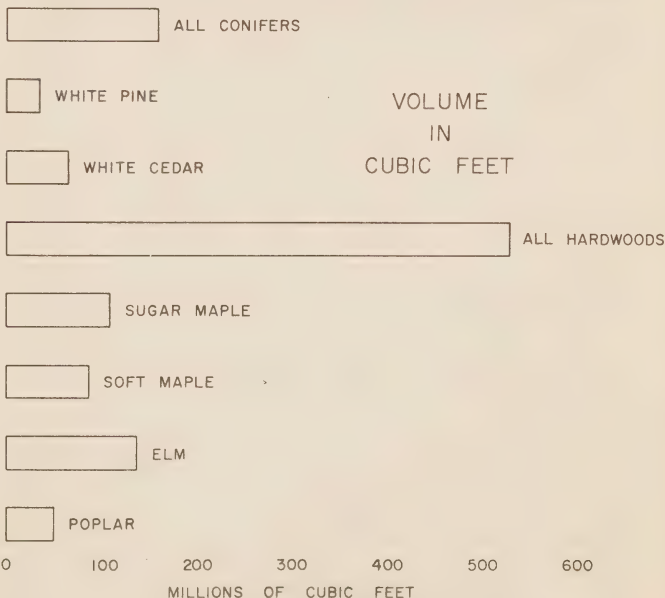
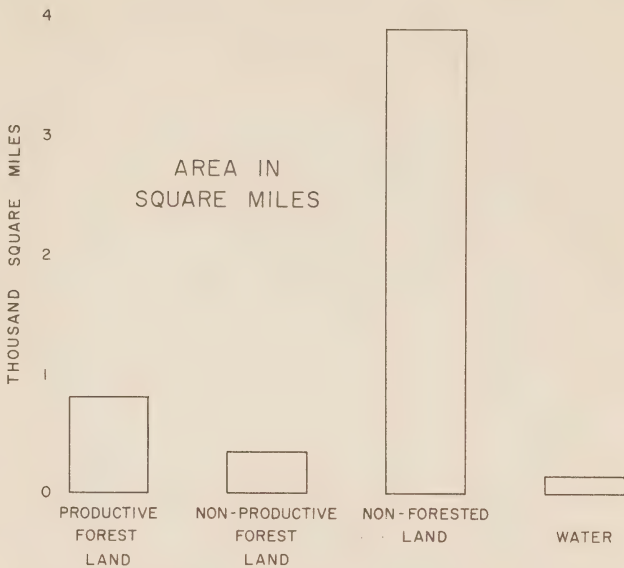
KAPUSKASING DISTRICT



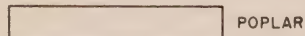
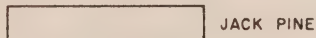
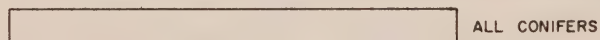
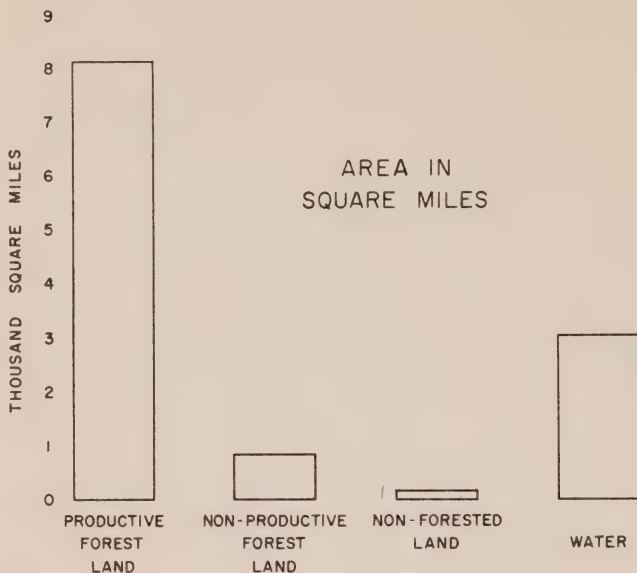
0 2 4 6 8 10
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 4

KEMPTVILLE DISTRICT



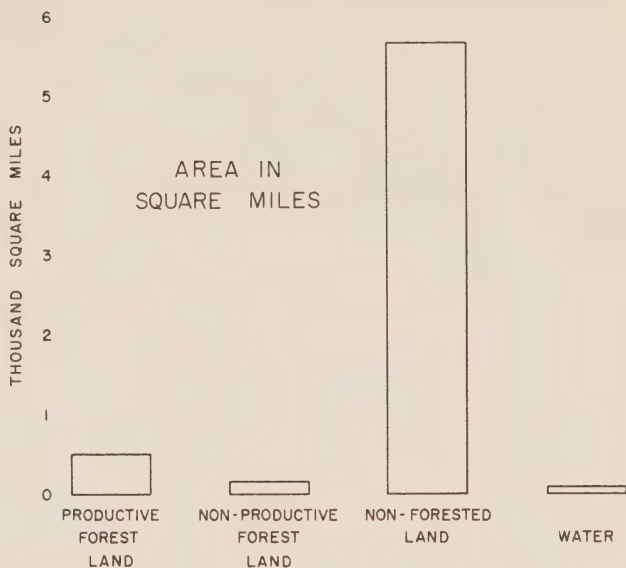
KENORA DISTRICT



0 1 2 3 4 5
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 15

LAKE ERIE DISTRICT



ALL CONIFERS

WHITE PINE

ALL HARDWOODS

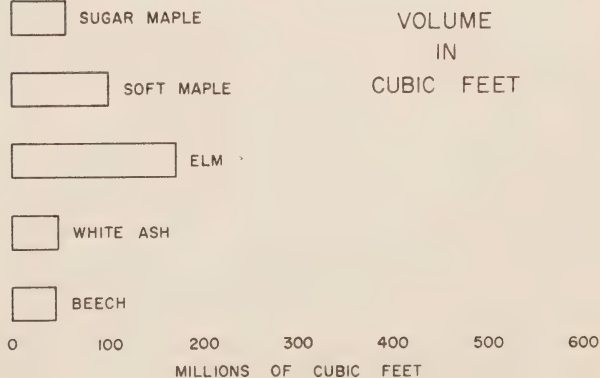
SUGAR MAPLE

SOFT MAPLE

ELM

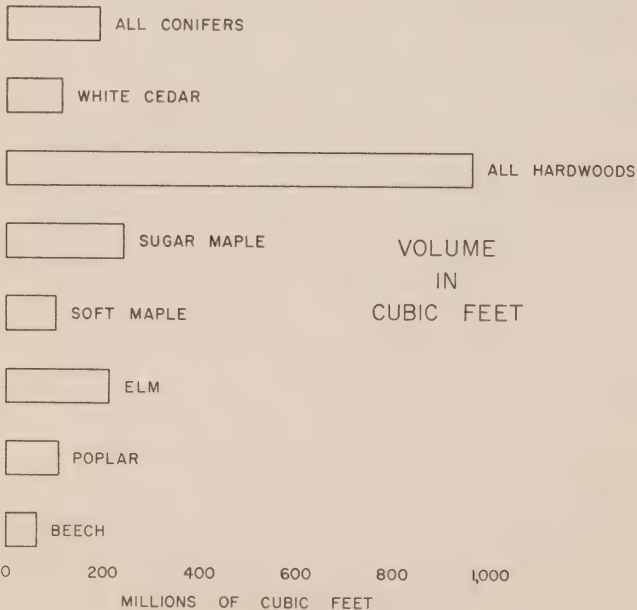
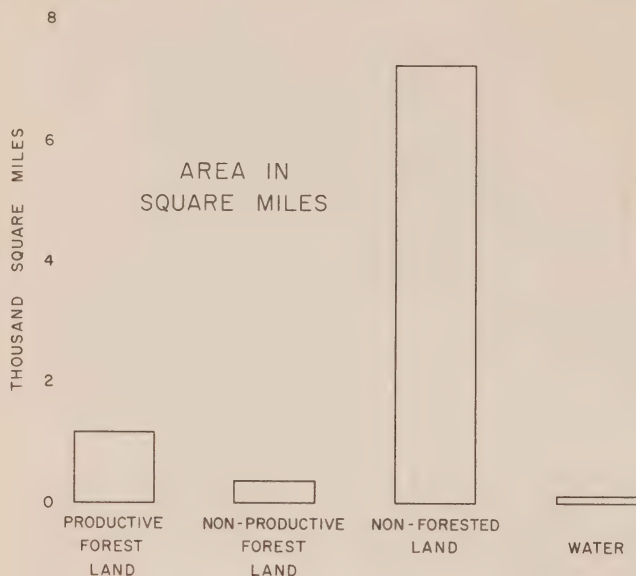
WHITE ASH

BEECH



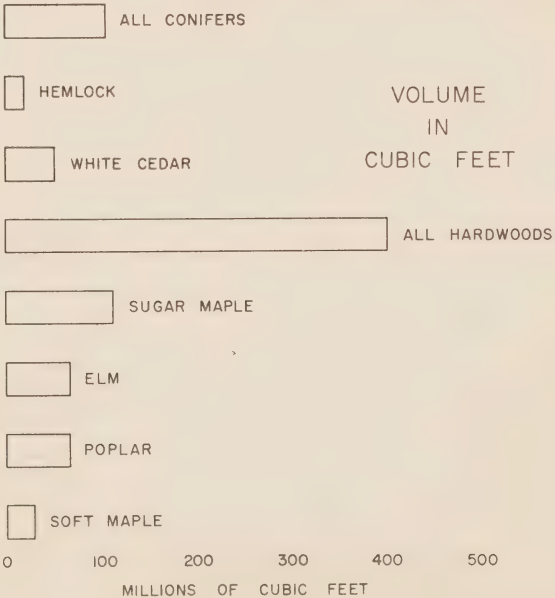
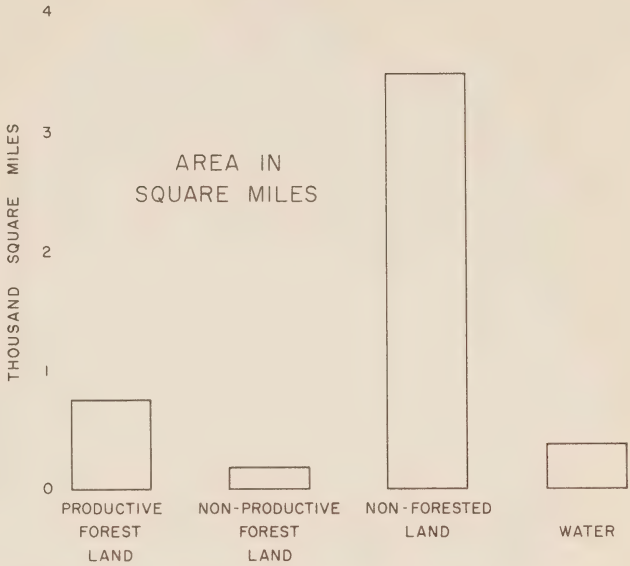
SOURCE : FOREST RESOURCES INVENTORY REPORT No.22

LAKE HURON DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 21

LAKE SIMCOE DISTRICT

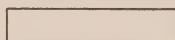
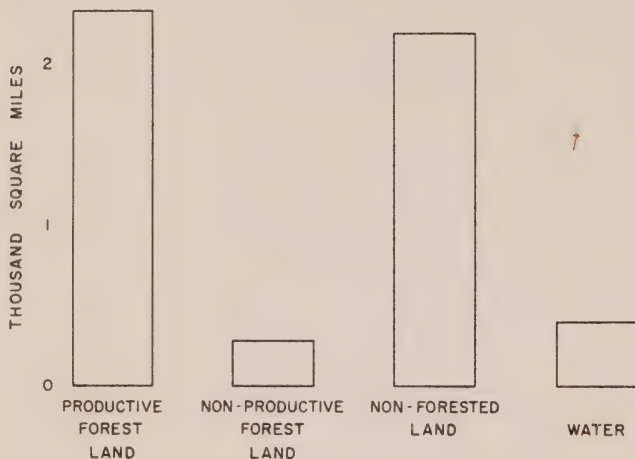


SOURCE : FOREST RESOURCES INVENTORY REPORT No. 20

LINDSAY DISTRICT

3

AREA IN SQUARE MILES



ALL CONIFERS

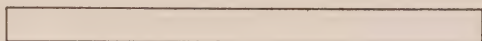


WHITE PINE

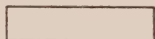


WHITE CEDAR

VOLUME IN CUBIC FEET



ALL HARDWOODS



SUGAR MAPLE



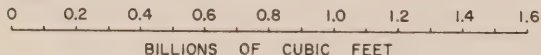
ELM



POPLAR

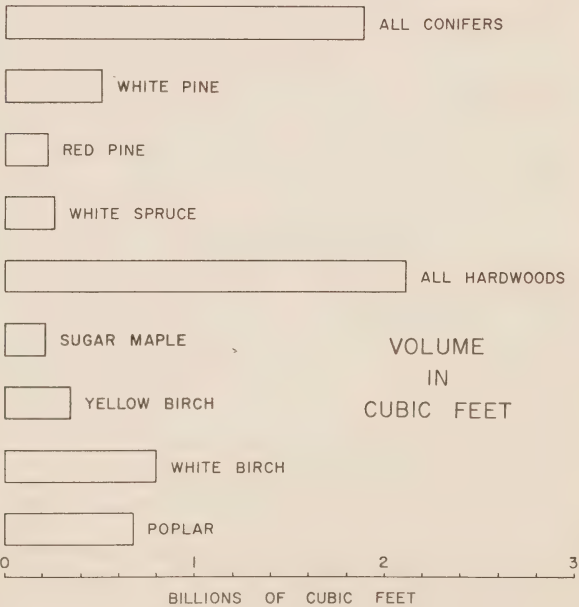
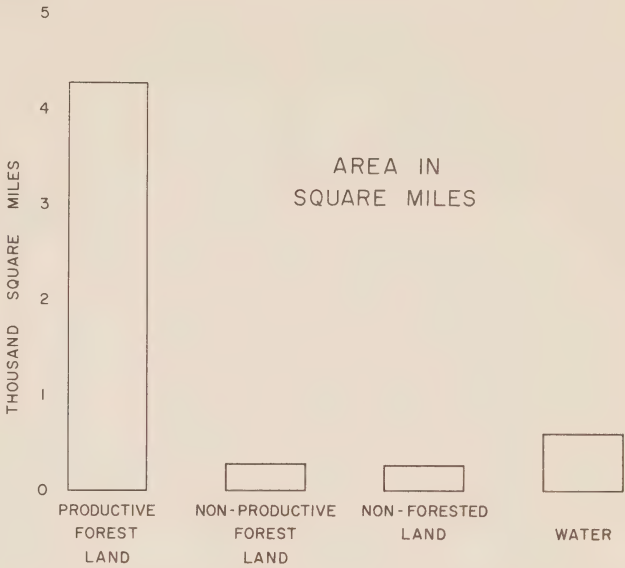


WHITE BIRCH



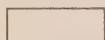
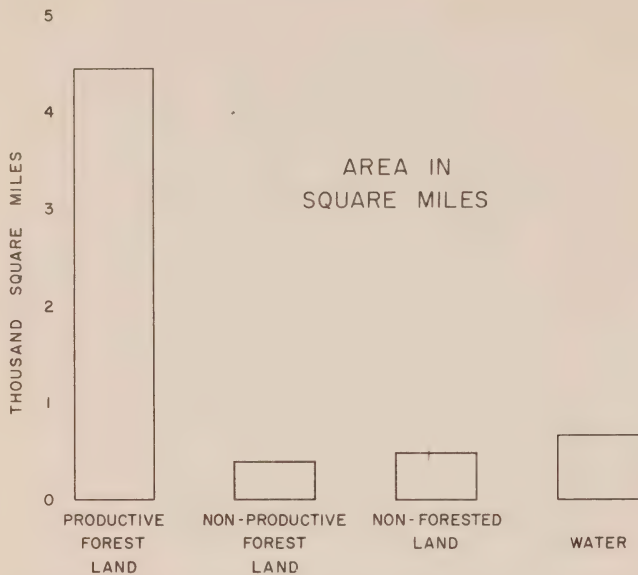
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NORTH BAY DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 1

PARRY SOUND DISTRICT



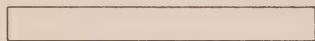
ALL CONIFERS



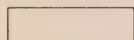
WHITE PINE



HEMLOCK



ALL HARDWOODS



SUGAR MAPLE



YELLOW BIRCH



WHITE BIRCH



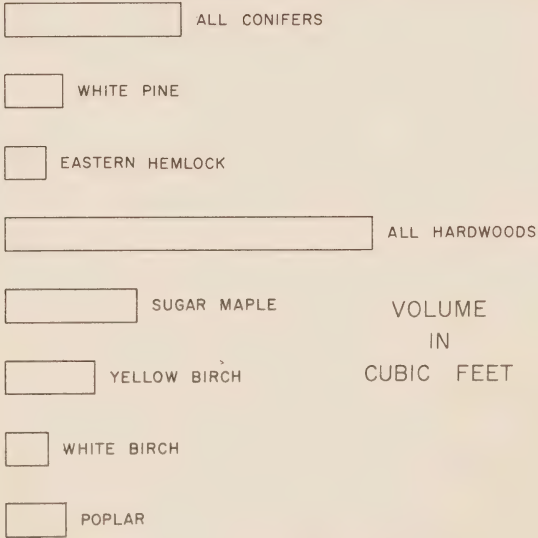
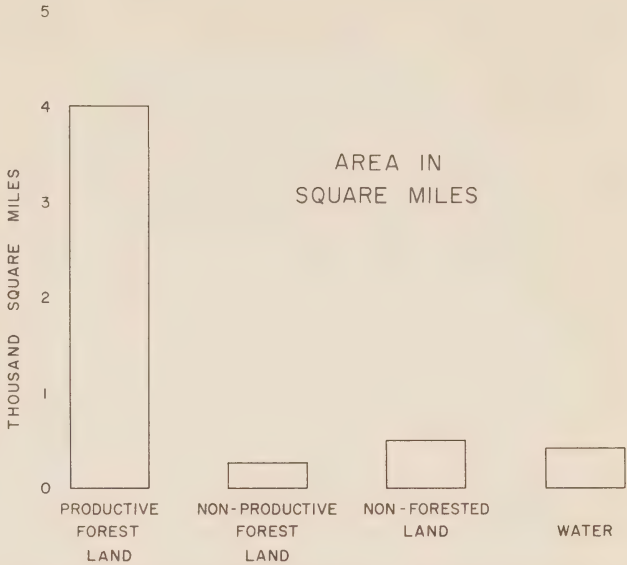
POPLAR

0 1 2 3 4
BILLIONS OF CUBIC FEET

VOLUME
IN
CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 8

PEMBROKE DISTRICT

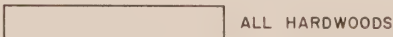
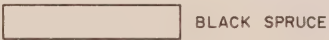
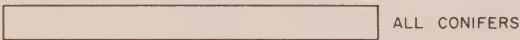
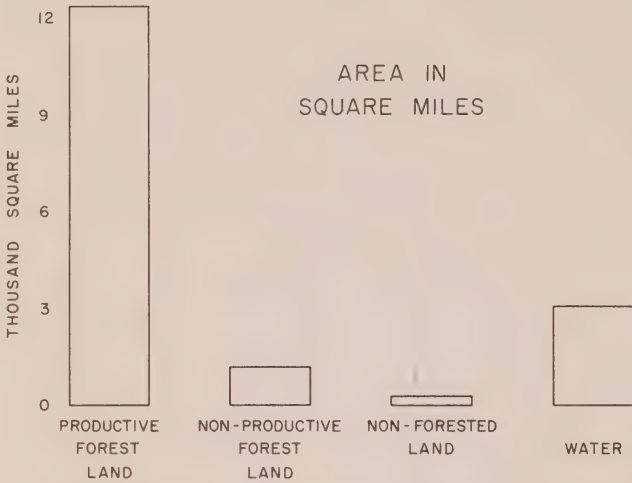


0 1 2 3 4
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 7

PORT ARTHUR DISTRICT

15

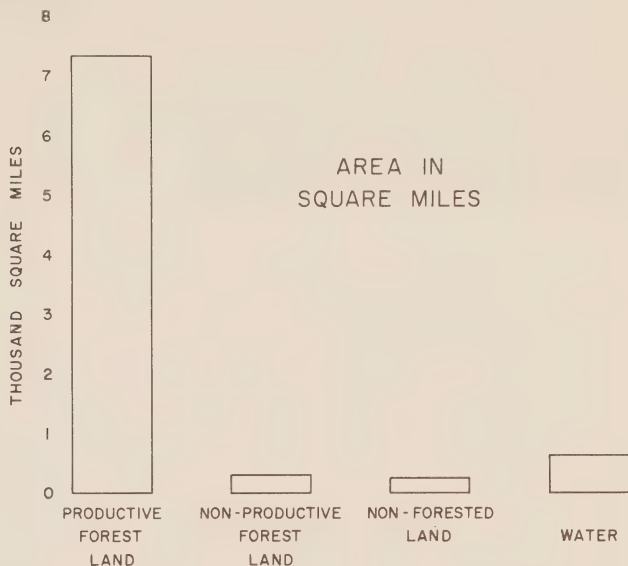


0 2 4 6 8

BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 6

SAULT STE. MARIE DISTRICT



ALL CONIFERS

WHITE PINE

WHITE CEDAR

VOLUME
IN
CUBIC FEET

ALL HARDWOODS

SUGAR MAPLE

YELLOW BIRCH

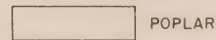
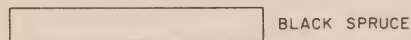
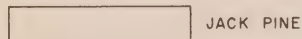
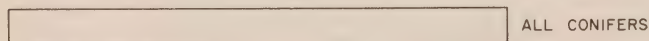
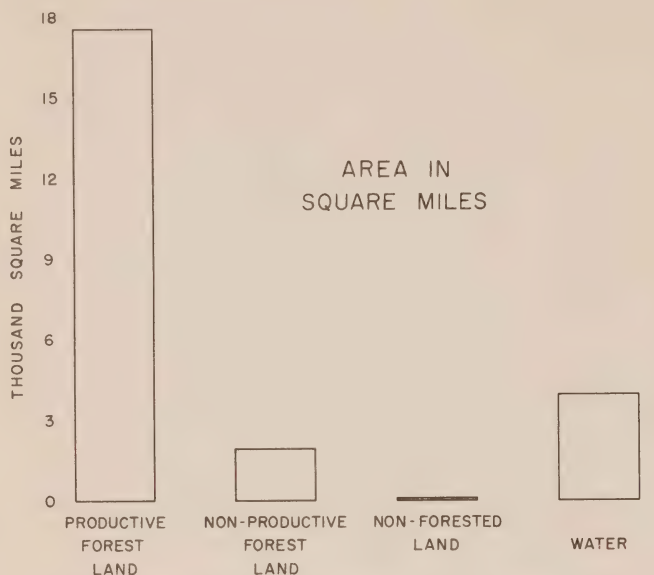
WHITE BIRCH

POPLAR

0 1 2 3 4 5 6
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 11

SIOUX LOOKOUT DISTRICT



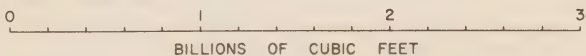
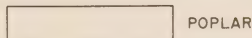
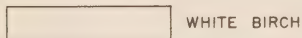
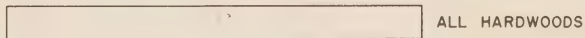
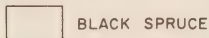
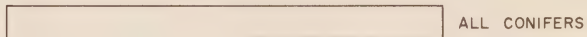
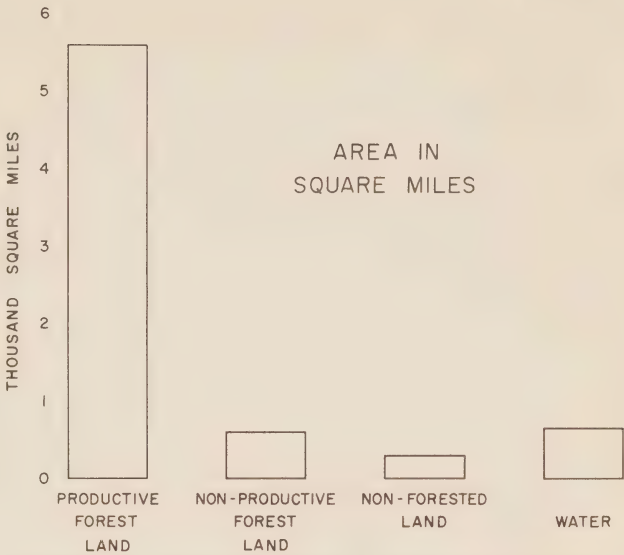
0 2 4 6 8 10 12 14

BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 16

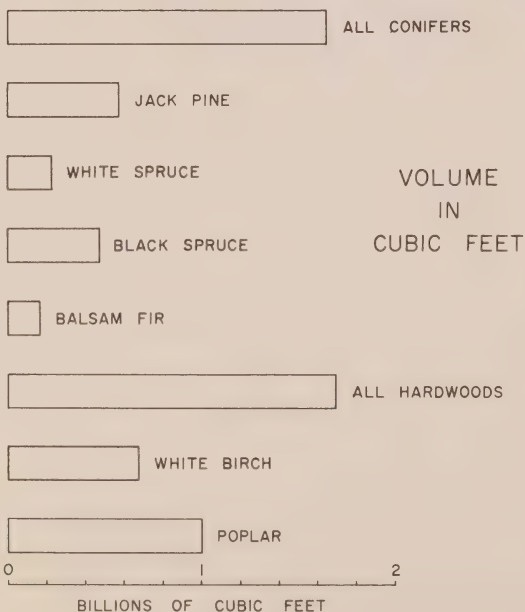
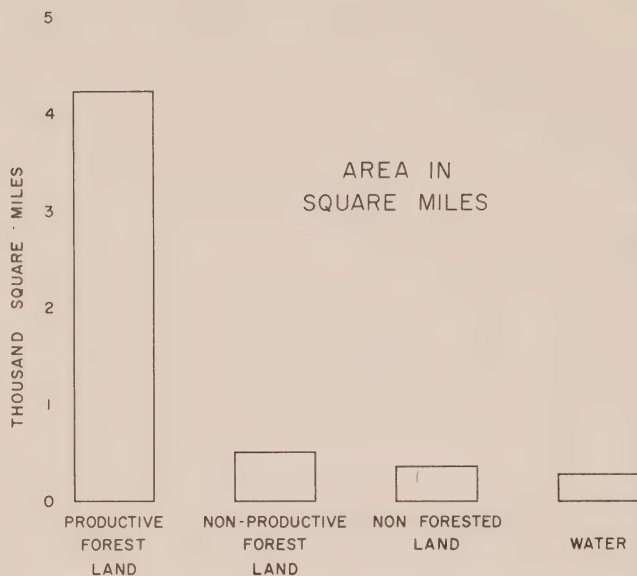
SUDBURY DISTRICT

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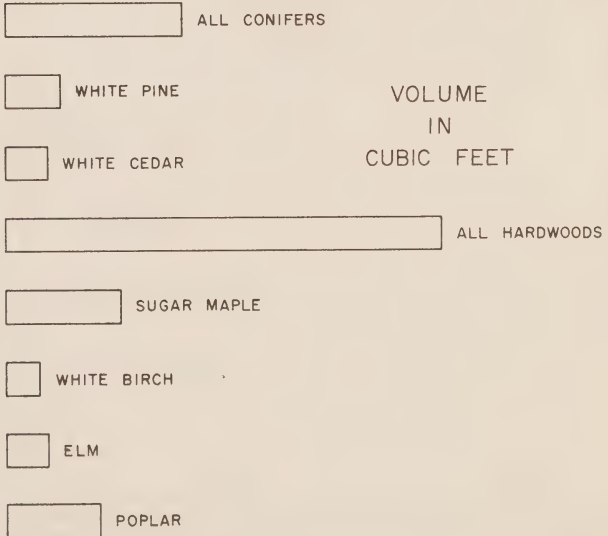
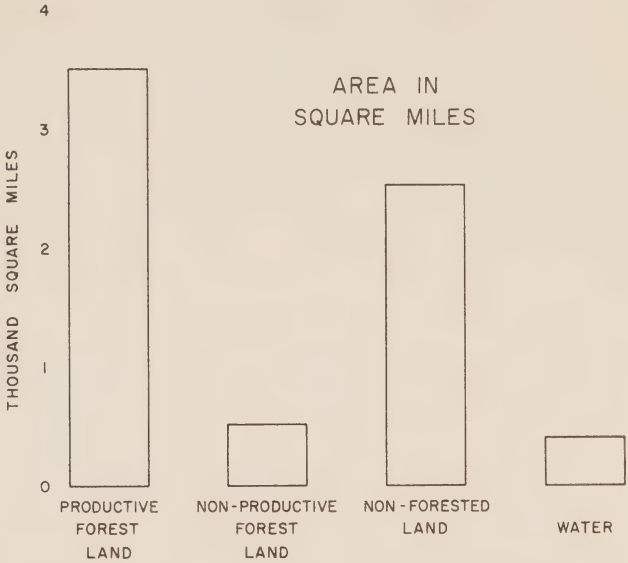
SOURCE : FOREST RESOURCES INVENTORY REPORT No.10

SWASTIKA DISTRICT



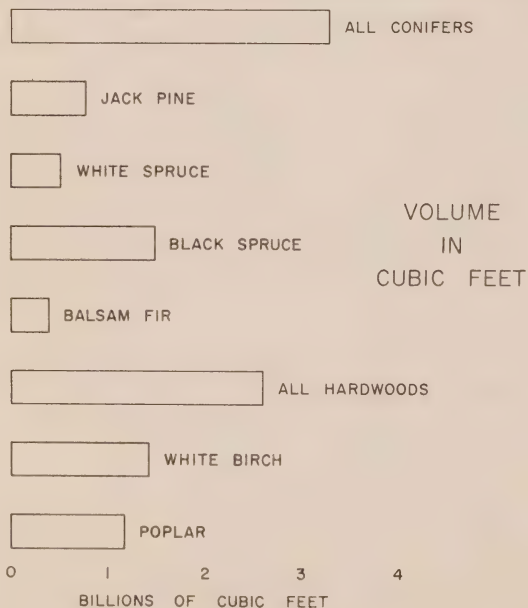
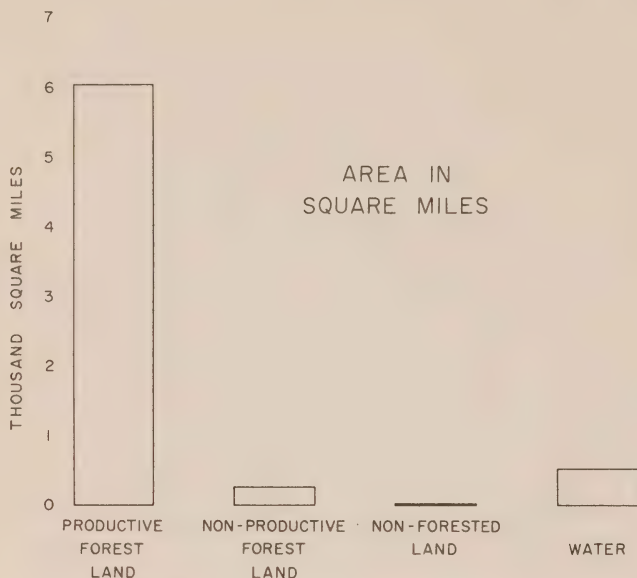
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 2

TWEED DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 18

WHITE RIVER DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 9

COMMITTEES

Committees Assisted by Head Office Personnel

FISH AND WILDLIFE BRANCH

Advisory Com for Lake Erie Fisheries Research
Advisory Com for Lake Huron Fisheries Research
Advisory Com for the Harkness Lab for Fisheries Research
American Ornithologists Union --- Com on Bird Protection
Association of Midwest Fish and Game Commissioners ---
Executive Com
Atlantic Flyway --- Technical Com
Dominion-Provincial Wildlife Conference --- Administrative Com
on Caribou Preservation
Federal-Provincial Com for Ontario Fisheries
Federal-Provincial Com on Forestry Research
Federal-Provincial Prairie Fisheries Com --- Sub-com on
Marketing Organization for Freshwater Fisheries
Farm Products Marketing Board (Dept of Agriculture)
Great Lakes Deer Group
Great Lakes Fishery Commission (International) --- Lake Trout
Rehabilitation Com
Great Lakes Institute --- Douglas Point Project Com,
Limnological Advisory Com
International Association of Game, Fish and Conservation
Commissioners --- Research Com
International Union of Forestry Research Organizations --- Forest
Recreation and Wildlife Research Working Group
Lake Erie Fish Management Com (State-Provincial)
Lake Ontario Fish Management Com (State-Provincial)
Mississippi Flyway Technical Com
Midwest Pheasant Council
Ontario Agricultural College --- Joint Com
Ontario-New York Com on Fisheries
Ontario Research Foundation --- Advisory Com on Fisheries and
Wildlife Research
Ontario-St. Lawrence Development --- Fish and Wildlife Advisory
Com
Ontario Waterfowl Research Foundation --- Scientific Advisory
Board
Ontario Water Resources Commission --- Water and Pollution
Advisory Com
Resource Development Agreement Advisory Com (Federal-
Provincial)

FOREST PROTECTION BRANCH

Canada-Ontario Advisory Com on Forest Research
Canadian Government Standards Board --- Com on Forest Fire
Hose
Canadian Institute of Forestry --- Forest Fire Com
Canadian Standards Association --- Com on Forest Fire Hose
Conservation Business Management Association
National Fire Protection Association --- Forests Com

National Research Council --- Associate Com on Forest Fire Protection
North American Forestry Commission --- Fire Control Working Group
Ontario Forestry Association --- Forest Fire Prevention Com
Ontario Government Com on Pesticides

LANDS AND SURVEYS BRANCH

Canadian Institute of Forestry
Canadian Permanent Com on Geographical Names
Conservation Council of Ontario --- Forestry Com, Pollution Com
International Boundary Commission
International Hydrological Decade
Lake of the Woods Control Board
Mining and Access Roads Com
Nature Reserves Com
Ontario Forestry Association --- Resource Rangers Com
Ontario Professional Foresters Association --- Ontario Forestry Education Council, Practice and Ethics Com
Ottawa River Engineering Board
Private Lands Liaison Com
Public Agricultural Lands Com
Rural Land Development Study Com
Water Front Technical Com (under Metropolitan Toronto)

OPERATIONS BRANCH

American Association for Conservation Information
Canadian Association of Purchasing Agents
Canadian Public Relations Society --- Seminars Com on Management
Centennial Project Com (Ontario)
International Rescue and First Aid Association --- Past President, Board of Directors, 66 Convention Com
North American Conservation Hall of Fame --- First Vice-President
Ontario Society of Safety Engineering --- Board of Governors
Records Management Com (Ontario)
Records Retention Com (Ontario)
Sheridan Park Parks Commission --- Parks Commissioner

PARKS BRANCH

American Institute of Park Executives --- Revenue Sources Com
Association of Interpretive Naturalists (Board of Directors)
Canadian Institute of Forestry (Board of Directors, Southern Ontario Section)
The Canadian Red Cross Society, Ontario Division --- Water Safety Advisory Com
Federal-Provincial Parks Conference --- Research Com, Education Com, A. R. D. A. Comm
Federation of Ontario Naturalists --- Young Naturalists Com
National Conference on State Parks

Ontario Conservation Council --- Parks Com
Ontario Parks Integration Board
Ontario Recreation Association --- Indian and Recreation Com
Quetico --- Superior Joint Advisory Com

RESEARCH BRANCH

Advisory Com for Lake Erie Fisheries Research
Advisory Com for Lake Huron Fisheries Research
Advisory Com for the Harkness Lab for Fisheries Research
Advisory Com for the Lab of Experimental Limnology
American Fisheries Society
Canada Com on Freshwater Fisheries Research
Canada-Ontario Advisory Com on Forest Research, Advisory Com
on Forest Entomology and Pathology (Dept of Forestry)
Dept of Agriculture-Dept of Lands and Forests Co-joint Com
(Guelph)
Federal-Provincial Great Lakes Research Com (Dept of
Fisheries)
Great Lakes Deer Group
Great Lakes Fishery Commission --- Advisory Com, Scientific
Advisory Com, Sub-com on Lake Trout Rehabilitation
Great Lakes Institute (University of Toronto)
Lake Erie Council of Commercial Fishermen
Lake Erie Fish Management Com
Lake Ontario Fisheries Management Com (Ontario-New York)
Lake Pollution Com
Midwest Wildlife Conference --- Upper Great Lakes Fishery
Commission
Mississippi Flyway (Research) Council
North American Wildlife Conference
Northeastern Forest Tree Improvement Conference --- Site
Evaluation Com
Northeast Wildlife Conference
Ontario Agricultural College --- Com on Correlation of Soil and
Site
Ontario Council of Commercial Fishermen
Ontario Research Foundation --- Advisory Com on Research in
Forestry, Advisory Com on Research in Fish and Wildlife
Ontario Waterfowl Research Foundation --- Scientific Advisory
Com
Prairie Fisheries Com (Federal-Provincial) --- Sub-com on
Research
Sports Fish Com (Lake Ontario)

TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation
Com
Canada Com on Forest Tree Breeding
Canada-Ontario Forest Research Com
Canadian Forestry Association --- Tree Farm Com, Resources
Rangers Advisory Com

Canadian Institute of Surveying --- Air Photo Interpretation, Sub-
com on Equipment and Techniques, Air Photo Interpretation of
Forestry and Wildlife
Conservation Council of Ontario
Ontario Forestry Education Council --- Rural Land Development,
Forest Based Industry
Ontario Professional Foresters Association --- Private Lands
Management, Forest Management, Practice and Ethics,
Public Relations
Photogrammetria (Publication of International Society of Photo-
grammetry) --- Editorial Com
Society of American Foresters --- Forest Mensuration Group
U. S. Region Nine Nurserymen's Association

COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

CHAPLEAU DISTRICT

Canadian Institute of Forestry (Central Ontario Section)
Canadian Horticultural Society --- Director
Recreational Land Use Planning Com

COCHRANE DISTRICT

Advisory Com on Recreational Land Use Planning
Agricultural Lands Com

FORT FRANCES DISTRICT

Advisory Com on Recreational Land Use Planning

GERALDTON DISTRICT

Advisory Com on Recreational Land Use Planning
Search and Rescue Unit

GOGAMA DISTRICT

Advisory Com on Recreational Land Use Planning
Com on Public Agriculture Lands

KAPUSKASING DISTRICT

Advisory Com on Recreational Land Use Planning
Agricultural Land Use Com
Brunetville Rehabilitation Liaison Com
Industrial Development Com
North Cochrane Advisory Com, C. N. I. B.
Winter Employment Com

KEMPTVILLE DISTRICT

Eastern Ontario Development Association

Eastern Ontario Soil and Crop Improvement Association --- Land Use Com
Land Use Coms of the County Soil and Crop Improvement Associations in Leeds, Grenville, Glengarry, Russell, Stormont and Prescott
Ontario Federation of Agriculture (Leeds, Carleton)
Ontario Forestry Association
Ontario-St. Lawrence Development Commission --- Fish and Wildlife Advisory Com
Raisin River Conservation Authority
Reforestation Coms for the County Councils of Leeds and Grenville; Dundas, Stormont and Glengarry; Prescott and Russell; Carleton; and Lanark.
Seaway Valley Travel Council
South Nation Conservation Authority --- Reforestation Com

KENORA DISTRICT

Agricultural Lands Com (ARDA)
Dryden Conservation Camp --- Advisory Com
Dryden High School Forestry Course --- Advisory Com, Curriculum Com
4H Forestry Club
Kenora Joint Com
Ontario Professional Foresters Association --- Management Planning Com
Recreational Zoning Com

LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board
Big Creek Conservation Authority --- Forestry Advisory Board
Catfish Creek Conservation Authority --- Forestry Advisory Board
Lake Erie Fisheries Research Advisory Com
Lower Thames River Conservation Authority --- Forestry Advisory Board
Middlesex County Forestry Com
Ontario Professional Foresters Association --- Forest Management Com, Private Lands Com
Otter Creek Conservation Authority --- Forestry Advisory Board
Sydenham Valley Conservation Authority --- Forestry Advisory Board
Upper Thames River Conservation Authority --- Forestry Advisory Board

LAKE HURON DISTRICT

Grand Valley Conservation Authority --- Forestry Advisor
Saugeen Valley Conservation Authority --- Forestry Advisor

LAKE SIMCOE DISTRICT

Camp Hendrie and Camp Hillsdale Advisory Com (Department of Reform Institutions)

Central Lake Ontario Conservation Authority --- Land Use, Water
Control and Reforestation Advisory Board
Credit Valley Conservation Authority --- Reforestation and Land
Use Advisory Board
Essa Township Conservation Com
Metropolitan Toronto and Region Conservation Authority ---
Reforestation and Land Use Advisory Board
Private Lands Liaison Com
Reforestation Com in County Councils in Simcoe, Dufferin, York
and Ontario.

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority --- Reforestation
Advisory Board
Crowe Valley Conservation Authority --- Reforestation Advisory
Board
Ontario Professional Foresters Association --- Private Land
Forestry Com
Otonabee Region Conservation Authority --- Reforestation
Advisory Board, Wildlife Advisory Board
Reforestation Coms of Victoria County and of Northumberland and
Durham Counties.
Victoria County --- ARDA Com

NORTH BAY DISTRICT

Agricultural Lands Com
Canadian Institute of Forestry (Central Ontario Section)
Ontario Professional Foresters Association
Recreational Land Use Planning Com

PARRY SOUND DISTRICT

Land Use Planning Com
Recreational Land Use Planning Com

PEMBROKE DISTRICT

Advisory Com on Recreational Land Use Planning
ARDA Com (Renfrew County)
Winter Employment Campaign Com

PORT ARTHUR DISTRICT

Lakehead Campers Association Com
Lakehead College of Arts, Science and Technology --- Forestry
Com
Thunder Bay Fish and Game Association

SAULT STE. MARIE DISTRICT

Agricultural Com
Batchawana Development Com
Recreational Land Use Planning Com

SIOUX LOOKOUT DISTRICT

Recreational Land Use Planning Com

SUDBURY DISTRICT

Advisory Com for Lake Huron Fisheries Research
Sudbury Recreational Land Use Planning Com

SWASTIKA DISTRICT

Advisory Com on Recreational Land Use Planning
Agricultural Com

TWEED DISTRICT

Joint Commercial and Sport Fish Com for the Bay of Quinte
Moir River Conservation Authority --- Forestry Advisory Board
Napane River Conservation Authority --- Forestry Advisory
Board
Renfrew County --- Agriculture and Conservation Com
Renfrew County --- A. R. D. A. Com

WHITE RIVER DISTRICT

Recreational Planning Com

AREA AND POPULATION BY PROVINCES populations in 000's

Province...Area in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961
Ontario.....412,582 July 1, 1867	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236
Quebec.....594,860 July 1, 1867	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259
Nova Scotia.....21,068 July 1, 1867	387	450	492	523	512	577	642	737
New Brunswick.....27,985 July 1, 1867	285	321	351	387	408	457	515	598
P.E.I.....2,184 July 1, 1873	94	109	93	88	88	95	98	105
Newfoundland.....155,364 Mar. 31, 1949	....	....	....	....	....	....	361	458
Manitoba.....246,512 July 15, 1870	25	152	461	610	700	729	776	922
Saskatchewan.....251,700 Sept. 1, 1905	....	....	492	757	921	895	831	925
Alberta.....255,285 Sept. 1, 1905	....	....	374	588	731	796	939	1,332
British Columbia...366,255 July 20, 1871	36	98	392	524	694	817	1,165	1,629
Territories**.....	48	98	15	12	13	16	25	38
CANADA.....3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

1943 Geraldton District established.
Forest Ranger School at Dorset established.

1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.

1949 White River District established (Central Region), the 22nd District.

1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.

- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Safety Section created in Operations Branch to administer The Logger Safety Act, Hunter Safety Training Programme, Workmen's Compensation, and Department and Provincial Parks safety programmes.

MEMORANDUM

MEMORANDUM

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